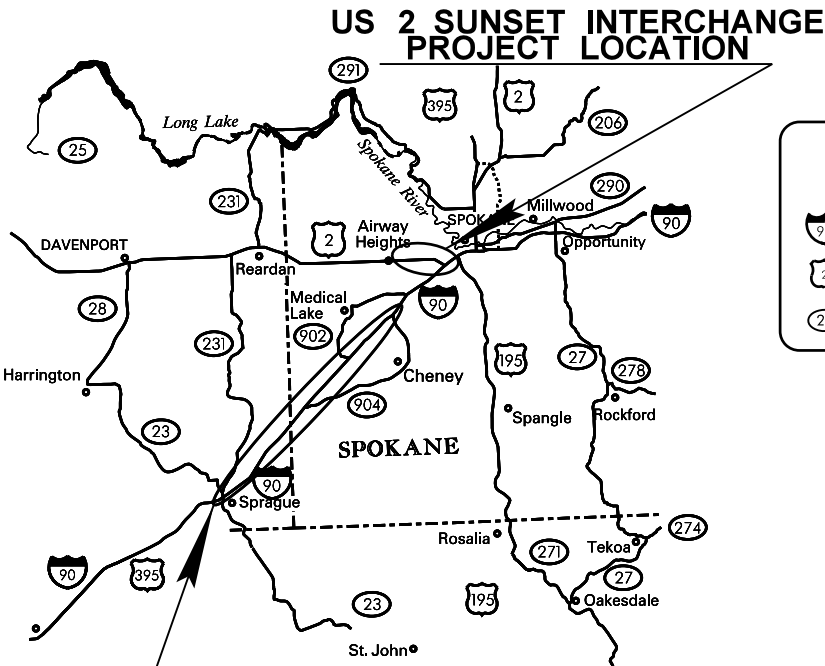


WSDOT EASTERN REGION

INDEX

6 INTERCHANGES-  
SPRAGUE, FISHTRAP, TYLER,  
SALNAVE, FOUR LAKES,  
SUNSET



**Legend**

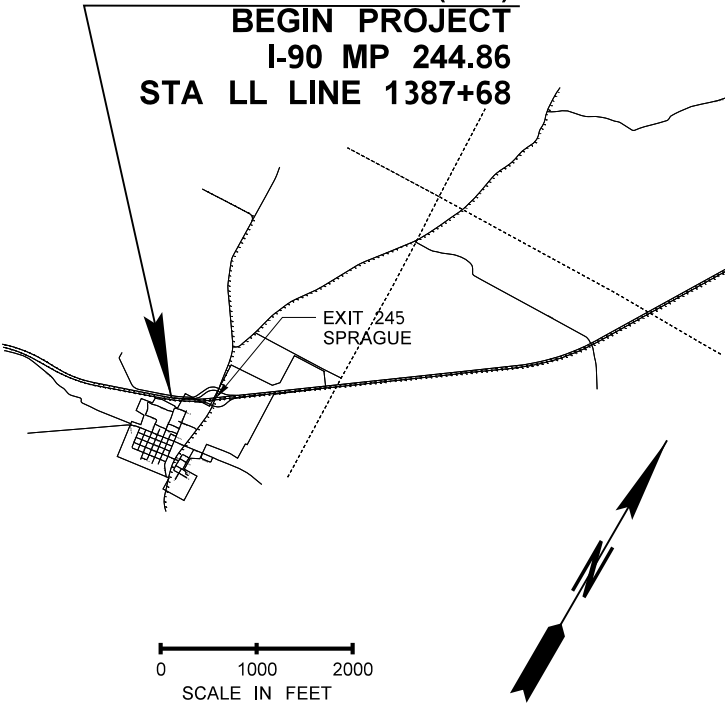
- INTERSTATE ROUTE
- U. S. ROUTE
- STATE ROUTE

SHEET NO.	PLAN REFERENCE NO.	TITLE
1	VM1	INDEX / VICINITY MAP
2	CT1	CERTIFICATION SHEET
3-4	SQ1 - SQ2	SUMMARY OF QUANTITIES
5-17	ILSN1 - ILSN13	ILLUMINATION & SIGNING PLAN
18-19	IL1 - IL2	WIRE AND BREAKER SCHEDULE
20-23	ILD1 - ILD4	ILLUMINATION DETAILS
24	SS1	SIGN SPECIFICATIONS
25-35	TC1 - TC11	TRAFFIC CONTROL PLAN

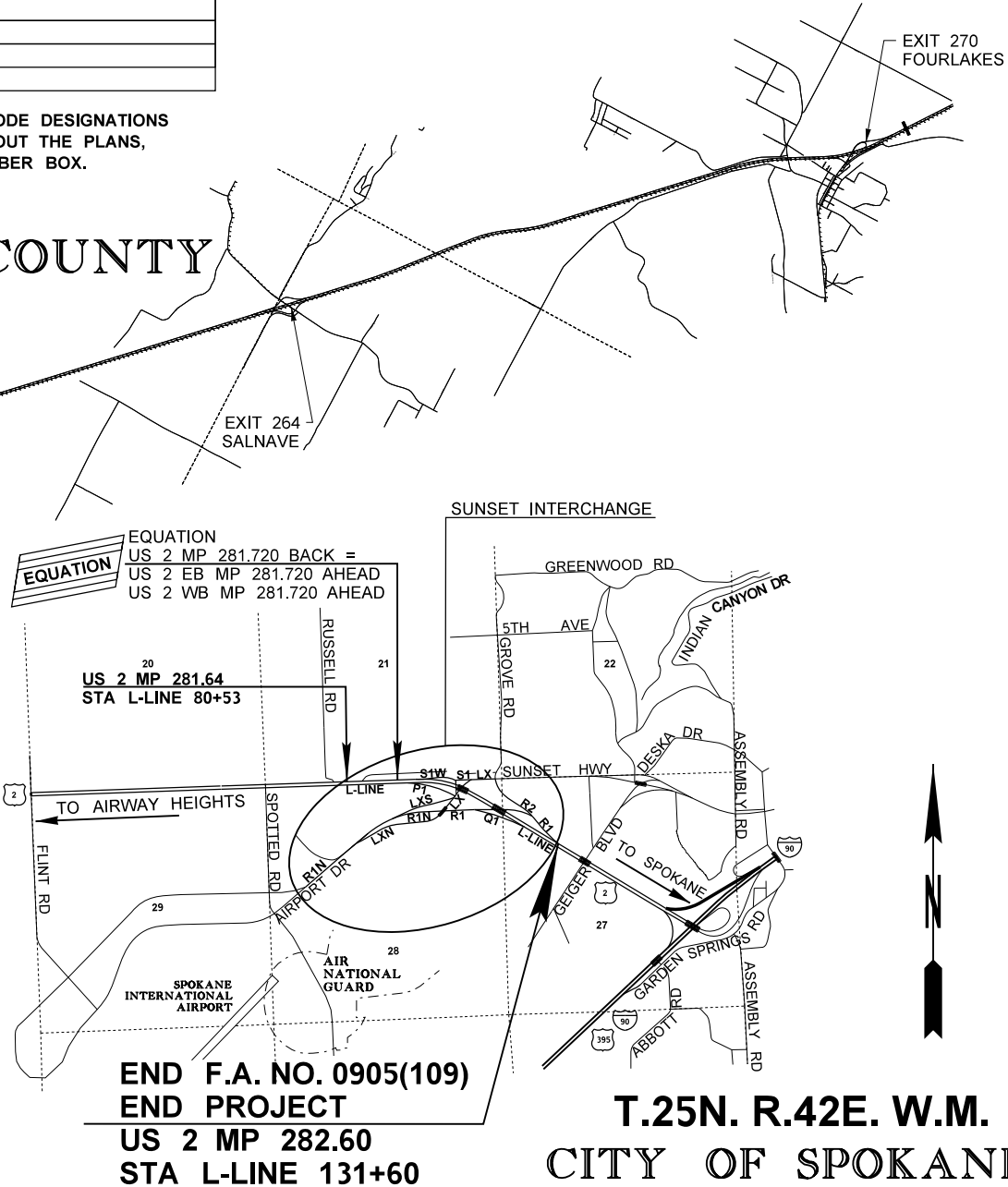
NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

I-90 PROJECT LOCATION  
MP 244.86 TO MP 270.91

BEGIN FA NO. 0905(109)  
BEGIN PROJECT  
I-90 MP 244.86  
STA LL LINE 1387+68



T.21N. R.38E. W.N, T.22N. R.39E. W.M  
T.23N. R.40E. W.M, T.24N. R.41E. W.N



EQUATION  
US 2 MP 281.720 BACK =  
US 2 EB MP 281.720 AHEAD  
US 2 WB MP 281.720 AHEAD


US 2 MP 281.64  
STA L-LINE 80+53

END F.A. NO. 0905(109)  
END PROJECT  
US 2 MP 282.60  
STA L-LINE 131+60

T.25N. R.42E. W.M.  
CITY OF SPOKANE

FILE NAME	G:\XL6454 I-90 Sprague to SR 904 - III Reb\CAD\Contract Plan Sheets\XL6451_XL6454 I-90_US2_Interchanges_Illumination_Rebuild_PS_INVM.dgn	REGION NO.	STATE	FED.AID PROJ.NO.	DATE		I-90 & US 2 INTERCHANGES ILLUMINATION REBUILD	Plot 1
TIME	1:00:55 PM	10	WASH	0905(109)				PLAN REF NO
DATE	3/15/2023							VM1
PLOTTED BY	BohnetG							
DESIGNED BY	J. MURR / G. BOHNET	JOB NUMBER	23Z007	LOCATION NO.				SHEET
ENTERED BY	J. MURR	CONTRACT NO.		XL6451 / XL6454				1
CHECKED BY	G. BOHNET / R. STULL							OF
PROJ. ENGR.	G. WAGEMANN, P.E.							35
REGIONAL ADM.	M. FRUCCI, P.E. (ACTING)	REVISION	DATE	BY			INDEX / VICINITY MAP	SHEETS


## PROJECT LICENSED PROFESSIONAL CERTIFICATES

 <b>TIMOTHY KELLEN CURNS</b> Mar 22, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
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NOTES:

THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION  
OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS  
OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

FILE NAME G:\XL6451 US2 Sunset Interchange III Rep\CADD\Contract Plans\XL6451 & XL6454_PS_CT.dgn										Plot 1											
TIME 1:04:54 PM						REGION NO. STATE		FED.AID PROJ.NO. 0905(109)		<div> Washington State Department of Transportation</div>										PLAN REF NO	
DATE 3/15/2023						10 WASH														CT1	
PLOTTED BY WillinF						JOB NUMBER		23Z007		<div><div>P.E. STAMP BOX</div><div>DATE</div><div>P.E. STAMP BOX</div><div>DATE</div></div>										SHEET	
DESIGNED BY F. WILLINGHAM						CONTRACT NO.														LOCATION NO.	
ENTERED BY F. WILLINGHAM								XL6451 & XL6454		CERTIFICATION SHEET										35	
CHECKED BY R. STULL																				SHEETS	
PROJ. ENGR. G. WAGEMANN P.E.																					
REGIONAL ADM. M. FRUCCI, P.E. (ACTING)				REVISION		DATE		BY													

SUMMARY OF QUANTITIES

DOT\_RGG900

3/15/2023

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION I-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION I-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1	GROUP 2	GROUP 2	GROUP 3	GROUP 4	GROUP 4	GROUP 5	GROUP 6	GROUP 6	GROUP 7	GROUP 7	GROUP 8	GROUP 9	GROUP 9	GROUP 10	GROUP 11
						PREPARATION																
1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.
						DRAINAGE																
2	50.00		50.00	1180	L.F.	SCHEDULE A CULV. PIPE 12 IN. DIAM.																
						TRAFFIC																
3	9000.00		9000.00	7450	DOL	REPAIR TRANSPORTABLE ATTENUATOR																
4	LUMP SUM		LUMP SUM	6890	L.S.	PERMANENT SIGNING							L.S.					L.S.		L.S.		
5	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO. 1 - SPRAGUE IC	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.									
6	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO. 2 - FISHTRAP IC								L.S.	L.S.							
7	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO. 3 - TYLER IC										L.S.	L.S.	L.S.				
8	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO. 4 - SALNAVE IC													L.S.	L.S.	L.S.	
9	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO. 5 - FOUR LAKES IC																L.S.
10	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO.6 - SUNSET IC																
11	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO. 7 - SUNSET IC																
12	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO. 8 - SUNSET IC																
13	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM NO. 9 - SUNSET IC																
14	3540.00		3540.00	6917	L.F.	DIRECTIONAL BORING		125.00	70.00	45.00	60.00	115.00	70.00	345.00	295.00	245.00	280.00		175.00	225.00	50.00	235.00
15	LUMP SUM		LUMP SUM	6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.
16	25000.00		25000.00	7572	DOL	WORK ZONE SAFETY CONTINGENCY																
						OTHER ITEMS																
17	1000.00		1000.00	9004	DOL	PROJECT PARTNERING																
18	78800.00		78800.00	7715	DOL	FORCE ACCOUNT ADDITIONAL SLOPE GRADING	1,750.00		400.00		400.00	3,100.00	3,100.00	5,050.00	400.00	5,050.00	3,500.00	1,550.00	3,500.00	3,700.00	1,550.00	2,150.00
19	5.00		5.00	7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE																
20	-1.00		-1.00	7728	DOL	MINOR CHANGE																
21	-1.00		-1.00	7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT																
22	LUMP SUM		LUMP SUM	7736	L.S.	SPCC PLAN																

GROUP LEGEND	GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
	1	090	220100	**	FEDERAL FUNDS,STATE
	2	090	220110	**	FEDERAL FUNDS,STATE
	3	090	220100	**	FEDERAL FUNDS,STATE
	4	090	220110	**	FEDERAL FUNDS,STATE
	5	023	223210	**	FEDERAL FUNDS,STATE
	6	090	220100	**	FEDERAL FUNDS,STATE
	7	090	320100	**	FEDERAL FUNDS,STATE
	8	904	323700	**	FEDERAL FUNDS,STATE

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
9	090	320100	**	FEDERAL FUNDS,STATE
10	902	323500	**	FEDERAL FUNDS,STATE
11	090	320130	**	FEDERAL FUNDS,STATE

			REGION	STATE	FEDERAL AID PROJECT. NO.				I-90 & US 2 INTERCHANGES ILLUMINATION REBUILD	SQ1
			10	WA	0905(109)					SHEET 3
			JOB NUMBER							OF
			23Z007/1							35
			CONTRACT NO						SUMMARY OF QUANTITIES	SHEETS
DATE		REVISION	BY		000000					

## SUMMARY OF QUANTITIES

[illegible]

GROUP LEGEND	GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
	11	090	320130	**	FEDERAL FUNDS,STATE
	12	904	323730	**	FEDERAL FUNDS,STATE
	13	002	320610	**	FEDERAL FUNDS,STATE
	14	090	320130	**	STATE

			REGION	STATE	FEDERAL AID PROJECT. NO.	Washington State Department of Transportation	I-90 & US 2 INTERCHANGES ILLUMINATION REBUILD	SQ2	
			10	WA	0905(109)				SHEET 4 OF 35 SHEETS
			JOB NUMBER 23Z007/1						
			CONTRACT NO 000000						
DATE	REVISION	BY							SUMMARY OF QUANTITIES



ILLUMINATION SYSTEM GENERAL NOTES  
AND MASTER LEGEND

GENERAL NOTES

1. CONTACT WSDOT SIGNAL SHOP 72 HRS PRIOR TO BEGINNING AND WORK ON THE SYSTEM.  
DAVE BRINKLEY / SIGNAL SHOP SUPERVISOR:  
CELL (509) 570-2780 / OFFICE (509) 323-8475 / (509) 324-6555.
2. ALL LUMINAIRE POLES SHALL BE LABELED PER STANDARD SPECIFICATION SECTION 8-20.3(13)A.
3. THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ADJUSTMENTS TO THE FEATURE LOCATIONS SHALL BE AS ACCEPTED BY THE ENGINEER.
4. EXISTING ELECTRICAL FEATURES SHALL REMAIN IN OPERATION UNTIL APPROVED FOR DISRUPTIONS OR REMOVAL.
5. FOR NOTES AND SCHEDULES FOR US-2 SEE SHEETS IL1 AND IL2.
6. ALL SPARE CONDUIT SHALL HAVE PULL TAPE INSTALLED FOR FUTURE USE.
7. UPON COMPLETION ALL EXPOSED SOIL SHALL BE GRADED TO MATCH THE SURROUNDING AREA.
8. SEE WSDOT STANDARD PLAN J SERIES.
9. FOUNDATION REMOVAL SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2-02.
10. JUNCTION BOXES SHALL NOT BE PLACED CLOSER THAN 2.5' FROM EDGE OF ASHALT, AND NOT WITHIN 2' OF ANY DITCH BOTTOM.
11. ALL LUMINAIRES SHALL MEET STANDARD PLAN J-28.22 FOR FINISHED GRADE ACCEPTANCE.
12. PRESERVE AND PROTECT ALL CULVERTS UNLESS NOTED.
13. FOR ALL LUMINAIRES SHOWN TO REMAIN, INTERCEPT EXISTING 1" RMC CONDUIT 3 - FEET FROM EXISTING LUMINAIRE FOUNDATION. TRANSITION TO 1" PVC AND ROUTE CONDUIT TO NEAREST JUNCTION BOX SHOWN ON PLAN SHEET
14. FOUNDATIONS SHOWN TO BE CONSTRUCTED USING METHOD 2 CONSTRUCTION SHALL BE BACKFILLED WITH CDF.

LEGEND

EXISTING		NEW			
		TYPE 1 JUNCTION BOX			
		TYPE 2 JUNCTION BOX			
		TYPE 8 JUNCTION BOX			
		PULL BOX			
		CABLE VAULT			
		ELECTRICAL SERVICE CABINET			
		SERVICE TRANSFORMER			
		LUMINAIRE STANDARD			
		EX. LUMINAIRE-NEW HEAD ONLY			
		SIGN SINGLE POST			
		SIGN DOUBLE POST			

EXISTING		NEW			
		CONDUIT			
		POWER POLE			
		TIMBER POLE			
		OVERHEAD POWER			
		BURIED POWER			
		UNDERGROUND GAS LINE			
		BURIED TELEPHONE			
		BURIED FIBER			
		STORM SEWER			
		CULVERT			
		GUARDRAIL			
		FENCE			
		WETLAND BOUNDARY			
		BARRIER CABLE			
		ROCKLINE			

EXISTING		NEW			
		CONSTRUCTION NOTE			
		WIRE NOTE			
		NEW SIGN NOTE			
		REMOVAL SIGN NOTE			
		(EXISTING LOCATION) RELOCATE SIGN NOTE (NEW LOCATION)			

FILE NAME										G:\XL6454 I-90 Sprague to SR 904 - III Rebl\CAD\Contract Plan Sheets\NewPlanSheetsToBeUsedWithNewBaseMaps\1 XL6454 Sprague IC_PS_IL.dgn										Plot 1			
TIME										1:32:23 PM										PLAN REF NO			
DATE										3/15/2023										ILSN1			
PLOTTED BY										WillinF										SHEET 5 OF 35 SHEETS			
DESIGNED BY										J. MURR / G. BOHNET													
ENTERED BY										J. MURR													
CHECKED BY										G. BOHNET / R. STULL													
PROJ. ENGR.										G. WAGEMANN, P.E.													
REGIONAL ADM.										M. FRUCCI, P.E. (ACTING)										ILLUMINATION & SIGNING PLAN			
										REVISION										DATE		BY	

CONSTRUCTION NOTES

- 1

REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- 2

REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- 3

REMOVE EXISTING SERVICE CABINET, ASSOCIATED CONDUIT AND CONDUCTORS. CONTACT SERVICE UTILITY FOR POWER DISCONNECT/RECONNECT.
- 5

REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- 9

AVISTA UTILITIES TO INTERCEPT AND REDIRECT POWER FEED INTO NEW SERVICE CABINET.
- 10

EXISTING POWER POLE AND CONDUCTORS TO BE REMOVED BY AVISTA UTILITIES.
- 13

CONDUIT TO BE INSTALLED BY BORING. MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.

LINCOLN COUNTY  
SECTION 14  
T. 21 N.  
R. 38 E. W.M.

NOTES

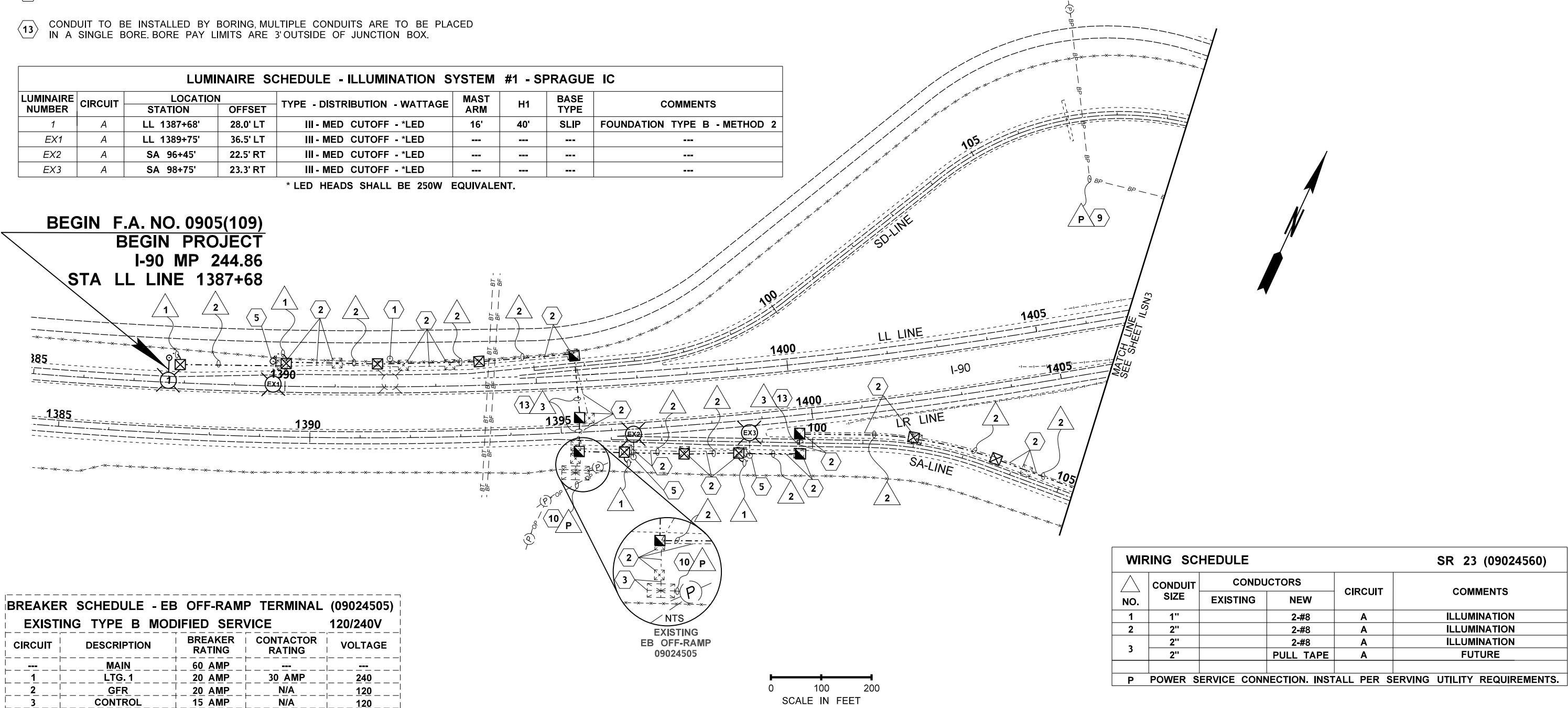
SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

SPRAGUE INTERCHANGE  
WEST RAMPS

ILLUMINATION SYSTEM NO.1 - SPRAGUE IC

LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #1 - SPRAGUE IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
1	A	LL 1387+68'	28.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
EX1	A	LL 1389+75'	36.5' LT	III - MED CUTOFF - *LED	---	---	---	---
EX2	A	SA 96+45'	22.5' RT	III - MED CUTOFF - *LED	---	---	---	---
EX3	A	SA 98+75'	23.3' RT	III - MED CUTOFF - *LED	---	---	---	---

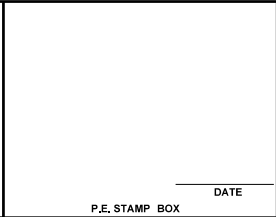
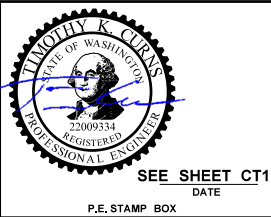
\* LED HEADS SHALL BE 250W EQUIVALENT.



BREAKER SCHEDULE - EB OFF-RAMP TERMINAL (09024505)				
EXISTING TYPE B MODIFIED SERVICE 120/240V				
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	MAIN	60 AMP	---	---
1	LTG. 1	20 AMP	30 AMP	240
2	GFR	20 AMP	N/A	120
3	CONTROL	15 AMP	N/A	120

WIRING SCHEDULE					SR 23 (09024560)
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	ILLUMINATION
	2"		PULL TAPE	A	FUTURE
P POWER SERVICE CONNECTION. INSTALL PER SERVING UTILITY REQUIREMENTS.					

FILE NAME	G:\XL6454 I-90 Sprague to SR 904 - III Reb\CAD\Contract Plan Sheets\NewPlanSheetsToBeUsedWithNewBaseMaps\1 XL6454 Sprague IC_PS_IL.dgn
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DATE	3/15/2023
PLOTTED BY	WillinF
DESIGNED BY	J. MURR / G. BOHNET
ENTERED BY	J. MURR
CHECKED BY	G. BOHNET / R. STULL
PROJ. ENGR.	G. WAGEMANN, P.E.
REGIONAL ADM.	M. FRUCCI, P.E. (ACTING)
REVISION	DATE BY
REGION NO.	10
STATE	WASH
JOB NUMBER	23Z007
CONTRACT NO.	
LOCATION NO.	XL6454



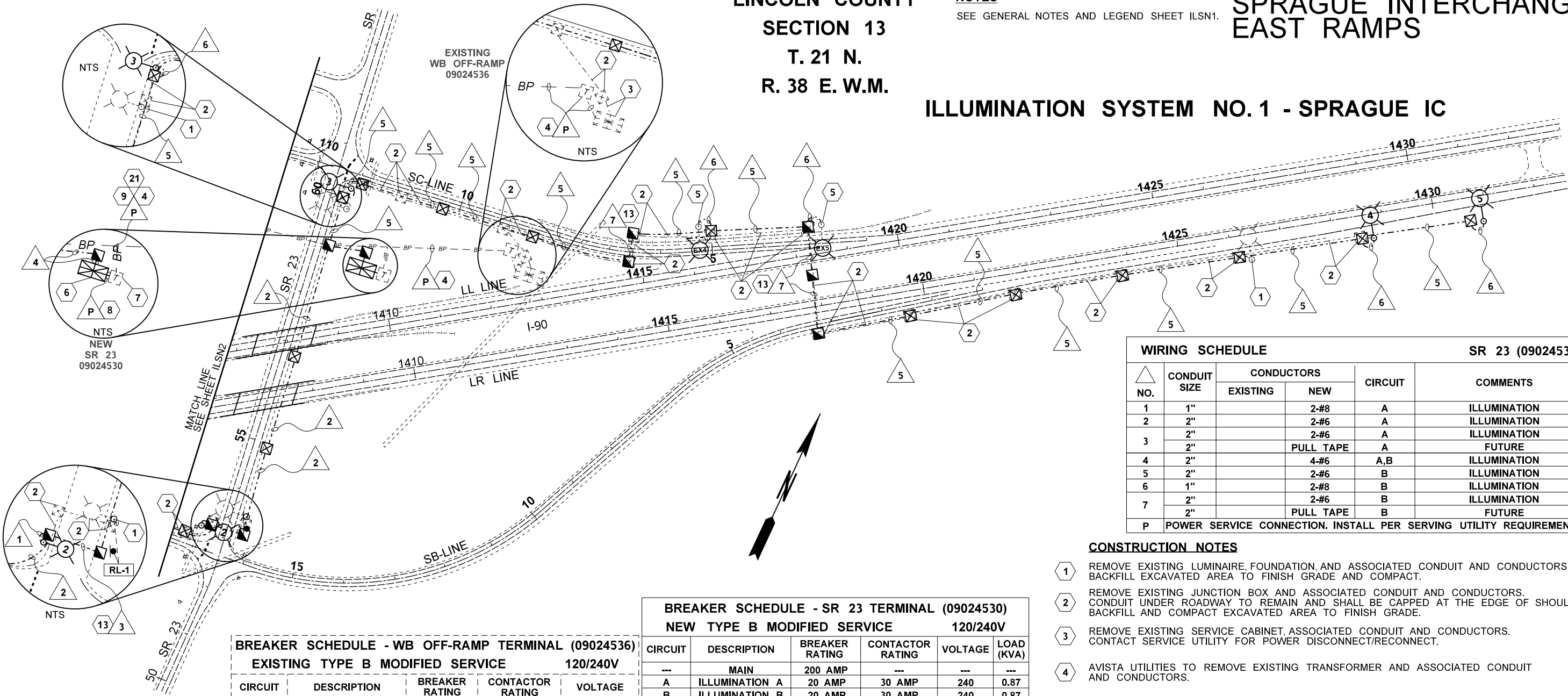
I-90 & US 2 INTERCHANGES ILLUMINATION REBUILD	Plot 2 PLAN REF NO ILSN2
ILLUMINATION & SIGNING PLAN	SHEET 6 OF 35 SHEETS

LINCOLN COUNTY  
SECTION 13  
T. 21 N.  
R. 38 E. W.M.

NOTES  
SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

SPRAGUE INTERCHANGE  
EAST RAMPS

ILLUMINATION SYSTEM NO. 1 - SPRAGUE IC



WIRING SCHEDULE					SR 23 (09024530)
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#6	A	ILLUMINATION
3	2"		2-#6	A	ILLUMINATION
	2"		PULL TAPE	A	FUTURE
4	2"		4-#6	A,B	ILLUMINATION
5	2"		2-#6	B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#6	B	ILLUMINATION
	2"		PULL TAPE	B	FUTURE
P	POWER SERVICE CONNECTION. INSTALL PER SERVING UTILITY REQUIREMENTS.				

CONSTRUCTION NOTES

- REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- REMOVE EXISTING SERVICE CABINET, ASSOCIATED CONDUIT AND CONDUCTORS. CONTACT SERVING UTILITY FOR POWER DISCONNECT/RECONNECT.
- AVISTA UTILITIES TO REMOVE EXISTING TRANSFORMER AND ASSOCIATED CONDUIT AND CONDUCTORS.
- REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- INSTALL NEW TYPE B MODIFIED SERVICE CABINET TWO POST INSTALLATION PER STANDARD PLAN J-10.20-01. CONTACT SERVING UTILITY FOR POWER DISCONNECT/CONNECTION.
- TRENCH 6 FT W X 6 FT L X 3 FT H PIT FOR PAD MOUNTED TRANSFORMER. COORDINATE PAD MOUNTED TRANSFORMER AND CONDUCTOR INSTALLATION BY AVISTA UTILITIES.
- INSTALL CONDUIT IN ACCORDANCE WITH AVISTA UTILITIES. COORDINATE CONDUCTOR INSTALLATION, AS WELL AS OTHER ITEMS, BY AVISTA UTILITIES.
- AVISTA UTILITIES TO INTERCEPT AND REDIRECT POWER FEED INTO NEW SERVICE CABINET.
- CONDUIT TO BE INSTALLED BY BORING, MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.
- WORK PITS TO BE HAND DUG WITHIN 2' OF EXISTING UNDERGROUND CABLE WHEN EXCAVATING RELOCATED PAD MOUNTED TRANSFORMER.

BREAKER SCHEDULE - WB OFF-RAMP TERMINAL (09024536)				
EXISTING TYPE B MODIFIED SERVICE 120/240V				
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	MAIN	60 AMP	---	---
1	LTG. 1	20 AMP	30 AMP	240
2	LTG. 2	20 AMP	30 AMP	240
3	CONTROL	15 AMP	N/A	120

BREAKER SCHEDULE - SR 23 TERMINAL (09024530)					
NEW TYPE B MODIFIED SERVICE 120/240V					
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	ILLUMINATION A	20 AMP	30 AMP	240	0.87
B	ILLUMINATION B	20 AMP	30 AMP	240	0.87
C	GFCI	20 AMP	N/A	120	1.8
D	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK CONTINUOUS		3.541

LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #1 - SPRAGUE IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
2	A	SR 23 53+10'	33.5' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
3	B	SR 23 60+20'	31.5' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
EX4	B	SC 5+24'	22.0' RT	III - MED CUTOFF - *LED	---	---	---	---
EX5	B	SC 2+86'	22.5' RT	III - MED CUTOFF - *LED	---	---	---	---
4	B	LR 1428+77'	38.5' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 1
5	B	LR 1430+93'	32.0' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 1

\* LED HEADS SHALL BE 250W EQUIVALENT.

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DATE	3/15/2023									
PLOTTED BY	WillinF									
DESIGNED BY	J. MURR / G. BOHNET									
ENTERED BY	J. MURR									
CHECKED BY	G. BOHNET / R. STULL									
PROJ. ENGR.	G. WAGEMANN, P.E.									
REGIONAL ADM.	M. FRUCCI, P.E. (ACTING)									
REVISION		DATE		BY						



SEE SHEET CT1

P.E. STAMP BOX



P.E. STAMP BOX

I-90 & US 2 INTERCHANGES  
ILLUMINATION REBUILD

ILLUMINATION & SIGNING PLAN

Plot 3  
PLAN REF NO  
ILSN3

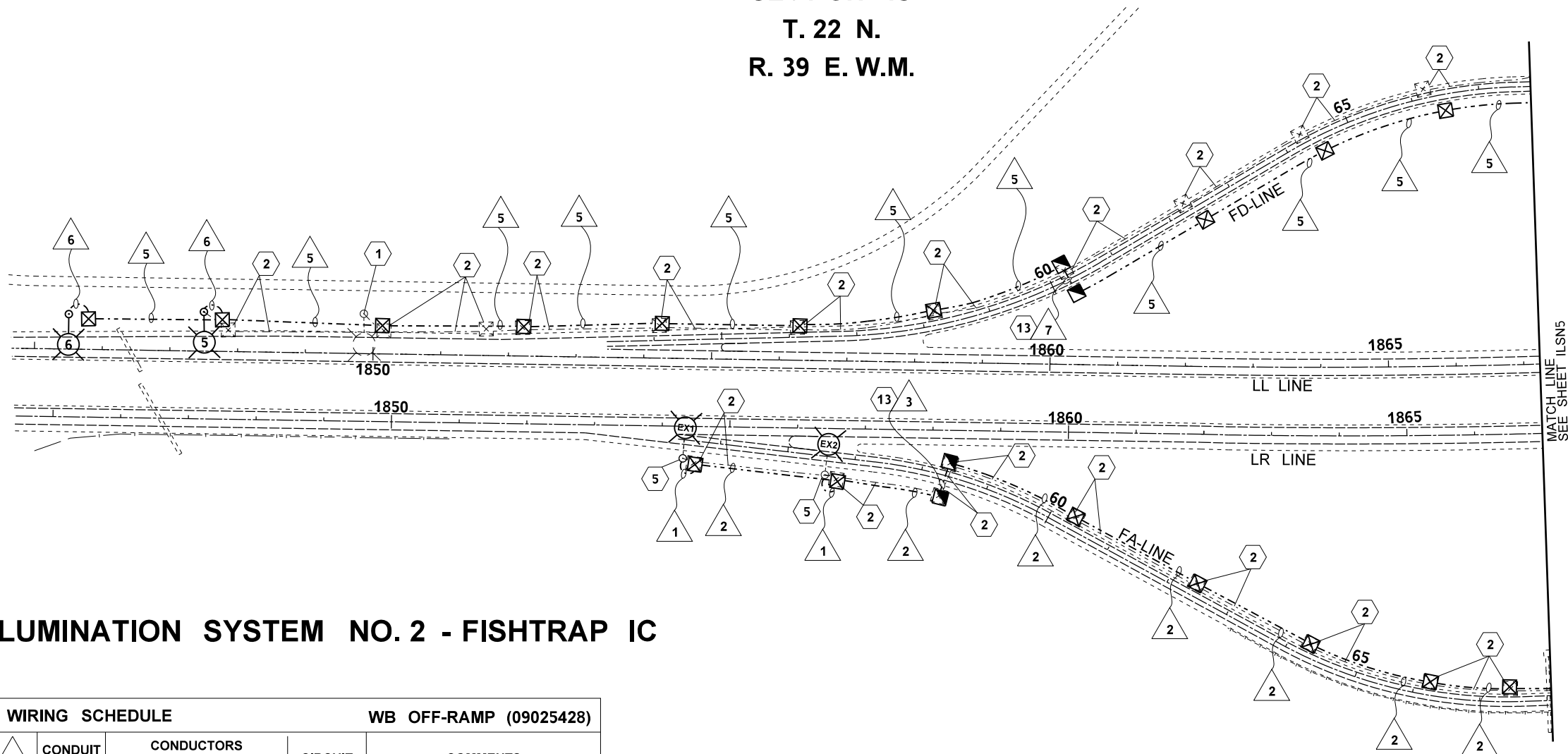
SHEET  
7  
OF  
35  
SHEETS

NOTES

SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

LINCOLN COUNTY  
SECTION 13  
T. 22 N.  
R. 39 E. W.M.

FISHTRAP INTERCHANGE  
WEST RAMPS



ILLUMINATION SYSTEM NO. 2 - FISHTRAP IC

WIRING SCHEDULE				WB OFF-RAMP (09025428)	
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	ILLUMINATION
	2"		PULL TAPE	A	FUTURE
4	2"		2-#8	A,B	ILLUMINATION
5	2"		2-#8	B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#8	B	ILLUMINATION
	2"		PULL TAPE	B	FUTURE

LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #2 - FISHTRAP IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
EX1	A	FA 54+47'	23.0' RT	III - MED CUTOFF - *LED	---	---	---	---
EX2	A	FA 56+58'	24.0' RT	III - MED CUTOFF - *LED	---	---	---	---
5	B	LL 1847+49'	38.5' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
6	B	LL 1845+49'	32.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2

\* LED HEADS SHALL BE 250W EQUIVALENT.

CONSTRUCTION NOTES

- 1 REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- 2 REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- 5 REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- 13 CONDUIT TO BE INSTALLED BY BORING, MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.

0 100 200  
SCALE IN FEET

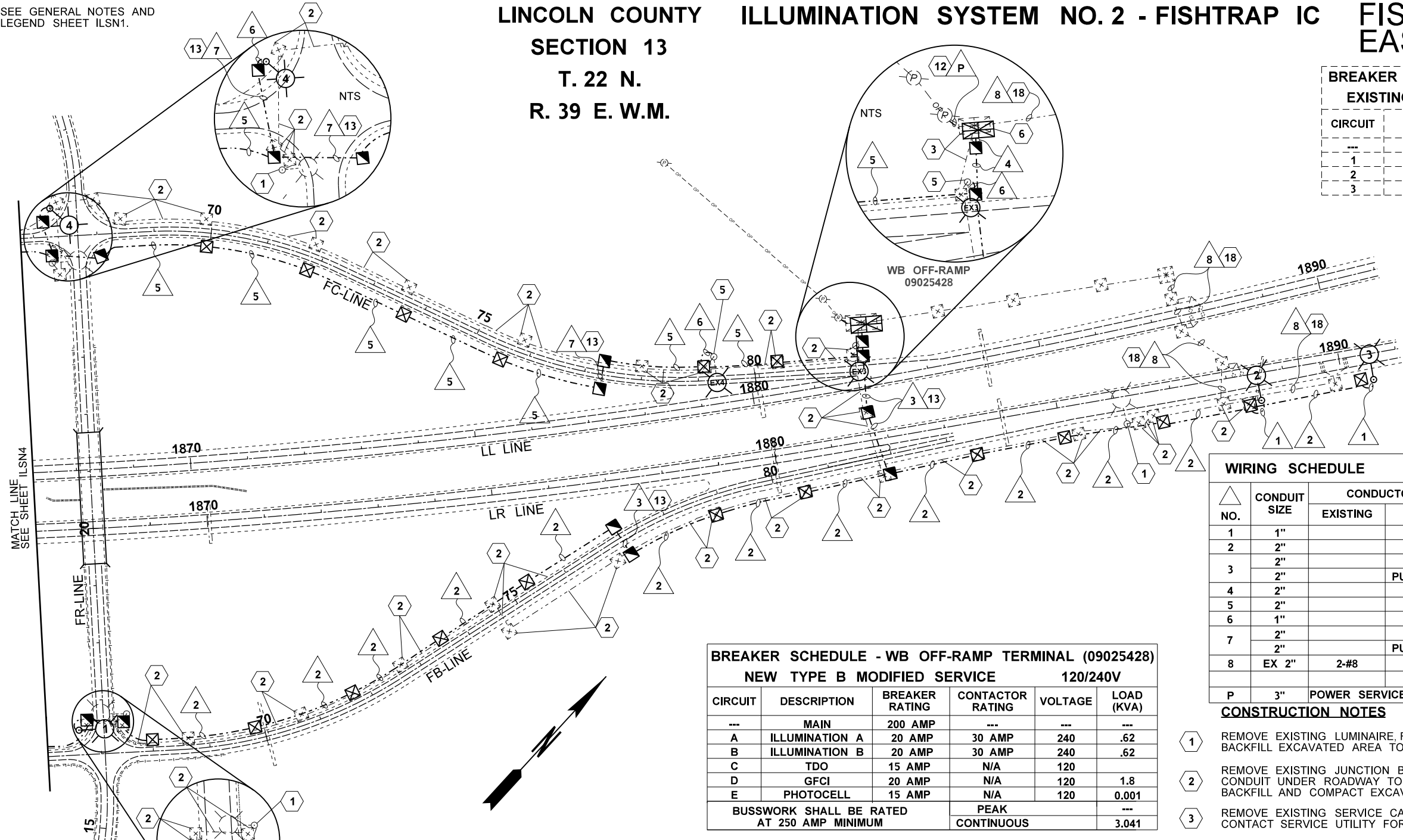
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PLOTTED BY										WillinF									
DESIGNED BY										J. MURR / G. BOHNET									
ENTERED BY										J. MURR									
CHECKED BY										G. BOHNET / R. STULL									
PROJ. ENGR.										G. WAGEMANN, P.E.									
REGIONAL ADM.										M. FRUCCI, P.E. (ACTING)									
REVISION										DATE									
BY										REGION NO.									
										10									
										WASH									
										JOB NUMBER									
										23Z007									
										CONTRACT NO.									
										LOCATION NO.									
										XL6454									



NOTES  
SEE GENERAL NOTES AND  
LEGEND SHEET ILSN1.

LINCOLN COUNTY ILLUMINATION SYSTEM NO. 2 - FISHTRAP IC  
SECTION 13  
T. 22 N.  
R. 39 E. W.M.

FISHTRAP INTERCHANGE  
EAST RAMP



BREAKER SCHEDULE - WB OFF-RAMP TERMINAL (09025428)				
EXISTING TYPE B MODIFIED SERVICE			120/240V	
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	MAIN	200 AMP	---	---
1	LTG. 1	20 AMP	30 AMP	240
2	TDO	15 AMP	N/A	120
3	CONTROL	15 AMP	N/A	120

WIRING SCHEDULE					WB OFF-RAMP (09025428)
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	ILLUMINATION
4	2"		PULL TAPE	A	FUTURE
5	2"		4-#8	A,B	ILLUMINATION
6	2"		2-#8	B	ILLUMINATION
7	1"		2-#8	B	ILLUMINATION
8	2"		2-#8	B	ILLUMINATION
	2"		PULL TAPE	B	FUTURE
	EX 2"	2-#8		C	TO REMAIN
P	3"	POWER SERVICE CONNECTION. INSTALL PER SERVING UTILITY REQUIREMENTS.			

BREAKER SCHEDULE - WB OFF-RAMP TERMINAL (09025428)					
NEW TYPE B MODIFIED SERVICE			120/240V		
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	ILLUMINATION A	20 AMP	30 AMP	240	.62
B	ILLUMINATION B	20 AMP	30 AMP	240	.62
C	TDO	15 AMP	N/A	120	
D	GFCI	20 AMP	N/A	120	1.8
E	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK		---
			CONTINUOUS		3.041

LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #2 - FISHTRAP IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
1	A	FR 16+49'	36.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
2	A	LR 1888+55'	39.0' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
3	A	LR 1890+55'	33.5' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
EX3	B	FC 81+84'	21.5' LT	III - MED CUTOFF - *LED	---	---	---	---
EX4	B	FC 79+29'	23.5' LT	III - MED CUTOFF - *LED	---	---	---	---
4	B	FR 25+63'	36.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2

\* LED HEADS SHALL BE 250W EQUIVALENT.



Washington State  
Department of Transportation

I-90 & US 2 INTERCHANGES  
ILLUMINATION REBUILD

ILLUMINATION & SIGNING PLAN

Plot 2  
PLAN REF NO  
ILSN5

SHEET  
9  
OF  
35  
SHEETS

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PLOTTED BY	WillinF
DESIGNED BY	J. MURR / G. BOHNET
ENTERED BY	J. MURR
CHECKED BY	G. BOHNET / R. STULL
PROJ. ENGR.	G. WAGEMANN, P.E.
REGIONAL ADM.	M. FRUCCI, P.E. (ACTING)
REVISION	DATE BY



SEE SHEET CT1

FED.AID PROJ.NO.  
0905(109)

JOB NUMBER  
232007

CONTRACT NO.  
LOCATION NO.  
XL6454

CONSTRUCTION NOTES

- 1

REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- 2

REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- 5

REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- 13

CONDUIT TO BE INSTALLED BY BORING. MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.

SPOKANE COUNTY  
SECTION 32  
T. 23 N.  
R. 40 E. W.M.

NOTES

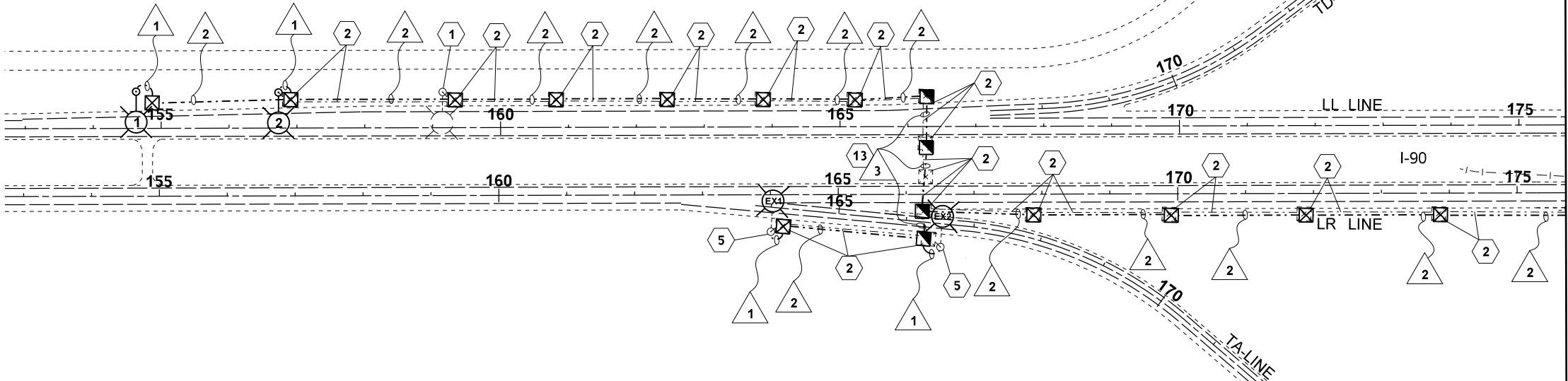
SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

FOR NEW FOUNDATION INSTALLATIONS AT THE LOCATION OF EXISTING FOUNDATIONS, THE EXISTING FOUNDATION CAN BE REMOVED PRIOR TO CONSTRUCTION OF NEW FOUNDATION.

TYLER INTERCHANGE  
WEST RAMPS

WIRING SCHEDULE				EB ON-RAMP (09025794)	
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#6	A	ILLUMINATION
3	2"		2-#6	A	ILLUMINATION
	2"		PULL TAPE	A	FUTURE

ILLUMINATION SYSTEM NO. 3 - TYLER IC



LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #3 - TYLER IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
1	A	LL 154+63'	31.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
2	A	LL 156+73'	39.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
EX1	A	TA 164+03'	22.0' RT	III - MED CUTOFF - *LED	---	---	---	---
EX2	A	TA 166+54'	23.0' RT	III - MED CUTOFF - *LED	---	---	---	---

\* LED HEADS SHALL BE 250W EQUIVALENT.

0 100 200  
SCALE IN FEET

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DATE	3/15/2023									
PLOTTED BY	WilliamF									
DESIGNED BY	J. MURR / G. BOHNET									
ENTERED BY	J. MURR									
CHECKED BY	G. BOHNET / R. STULL									
PROJ. ENGR.	G. WAGEMANN, P.E.									
REGIONAL ADM.	M. FRUCCI, P.E. (ACTING)									
REVISION				DATE		BY				

REGION  
NO.  
10

STATE

WASH

JOB NUMBER  
23Z007

CONTRACT NO.

FED.AID PROJ.NO.  
0905(109)

LOCATION NO.  
XL6454



SEE SHEET CT1

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



Washington State  
Department of Transportation

I-90 & US 2 INTERCHANGES  
ILLUMINATION REBUILD

ILLUMINATION & SIGNING PLAN

Plot 1

PLAN REF NO  
ILSN6

SHEET  
10  
OF  
35  
SHEETS

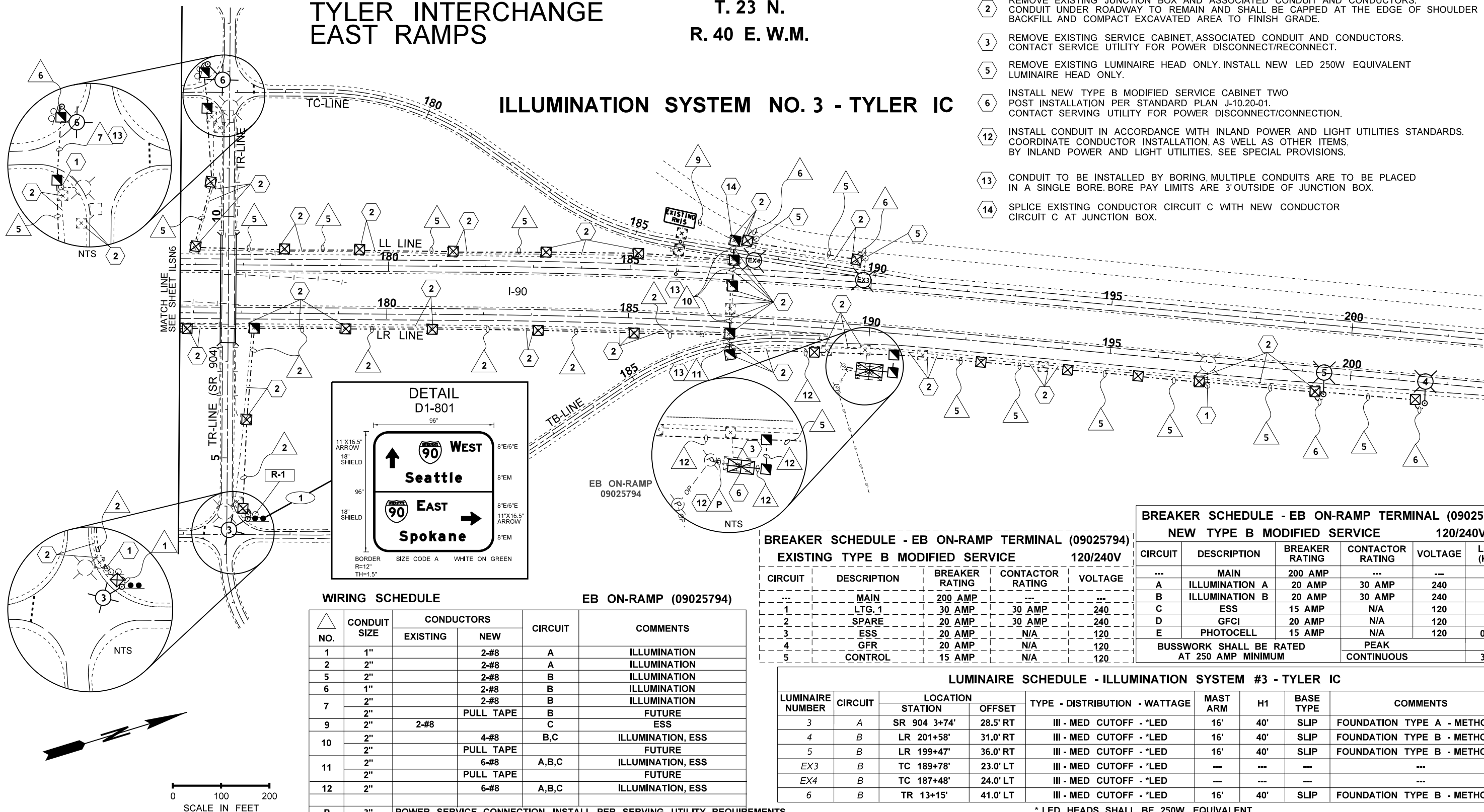
## SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

FOR NEW FOUNDATION INSTALLATIONS AT THE LOCATION OF EXISTING FOUNDATIONS, THE EXISTING FOUNDATION CAN BE REMOVED PRIOR TO CONSTRUCTION OF NEW FOUNDATION.

**SPOKANE COUNTY**  
**SECTION 32**  
**T. 23 N.**  
**R. 40 E. W.M.**

### CONSTRUCTION NOTES

- 1 REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- 2 REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- 3 REMOVE EXISTING SERVICE CABINET, ASSOCIATED CONDUIT AND CONDUCTORS. CONTACT SERVICE UTILITY FOR POWER DISCONNECT/RECONNECT.
- 5 REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- 6 INSTALL NEW TYPE B MODIFIED SERVICE CABINET TWO POST INSTALLATION PER STANDARD PLAN J-10.20-01. CONTACT SERVING UTILITY FOR POWER DISCONNECT/CONNECTION.
- 12 INSTALL CONDUIT IN ACCORDANCE WITH INLAND POWER AND LIGHT UTILITIES STANDARDS. COORDINATE CONDUCTOR INSTALLATION, AS WELL AS OTHER ITEMS, BY INLAND POWER AND LIGHT UTILITIES. SEE SPECIAL PROVISIONS.
- 13 CONDUIT TO BE INSTALLED BY BORING. MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.
- 14 SPLICE EXISTING CONDUCTOR CIRCUIT C WITH NEW CONDUCTOR CIRCUIT C AT JUNCTION BOX.

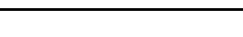



BREAKER SCHEDULE - EB ON-RAMP TERMINAL (09025794)				
EXISTING TYPE B MODIFIED SERVICE				120/240V
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	MAIN	200 AMP	---	---
1	LTG. 1	30 AMP	30 AMP	240
2	SPARE	20 AMP	30 AMP	240
3	ESS	20 AMP	N/A	120
4	GFR	20 AMP	N/A	120
5	CONTROL	15 AMP	N/A	120

BREAKER SCHEDULE - EB ON-RAMP TERMINAL (09025794)					
NEW TYPE B MODIFIED SERVICE				120/240V	
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	ILLUMINATION A	20 AMP	30 AMP	240	.62
B	ILLUMINATION B	20 AMP	30 AMP	240	.62
C	ESS	15 AMP	N/A	120	
D	GFCI	20 AMP	N/A	120	1.8
E	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK	---	
			CONTINUOUS	3.041	

LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #3 - TYLER IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
3	A	SR 904 3+74'	28.5' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 1
4	B	LR 201+58'	31.0' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
5	B	LR 199+47'	36.0' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2
EX3	B	TC 189+78'	23.0' LT	III - MED CUTOFF - *LED	---	---	---	---
EX4	B	TC 187+48'	24.0' LT	III - MED CUTOFF - *LED	---	---	---	---
6	B	TR 13+15'	41.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2

\* LED HEADS SHALL BE 250W EQUIVALENT.

FILE NAME										G:\XL6454 I-90 Sprague to SR 904 - III Reb\CAD\Contract Plan Sheets\NewPlanSheetsToBeUsedWithNewBaseMaps\3 XL6454 Tyler IC_PS_IL.dgn										<div><p>SEE SHEET CT1</p><p>DATE _____</p><p>P.E. STAMP BOX _____</p></div>										<div><p>Washington State Department of Transportation</p></div>										I-90 & US 2 INTERCHANGES ILLUMINATION REBUILD										Plot 2																			
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DATE					3/15/2023										10																									WASH																													
PLOTTED BY					WillinF																																																																
DESIGNED BY					J. MURR / G. BOHNET																																																																
ENTERED BY					J. MURR																																																																
CHECKED BY					G. BOHNET / R. STULL										JOB NUMBER																									23Z007					LOCATION NO.  XL6454																								
PROJ. ENGR.					G. WAGEMANN, P.E.										CONTRACT NO.																																																						
REGIONAL ADM.					M. FRUCCI, P.E. (ACTING)					REVISION					DATE					BY																																																	
ILLUMINATION & SIGNING PLAN																																																																					



NOTES  
SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

SPOKANE COUNTY  
SECTION 7  
T. 23 N.  
R. 41 E. W.M.

SALNAVE INTERCHANGE  
WEST RAMPS

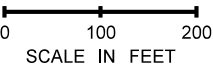
ILLUMINATION SYSTEM NO.4 - SALNAVE IC

BREAKER SCHEDULE - EB OFF-RAMP TERMINAL (09026411)				
EXISTING TYPE B MODIFIED SERVICE 120/240V				
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	MAIN	200 AMP	---	---
1	LTG. 1	30 AMP	30 AMP	240
2	SPARE	20 AMP	30 AMP	240
3	GFR	20 AMP	N/A	120
4	CONTROL	15 AMP	N/A	120

BREAKER SCHEDULE - EB OFF-RAMP TERMINAL (09026411)					
NEW TYPE B MODIFIED SERVICE 120/240V					
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	ILLUMINATION A	20 AMP	30 AMP	240	.62
B	ILLUMINATION B	20 AMP	30 AMP	240	.62
C	GFCI	20 AMP	N/A	120	1.8
D	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK	---	---
			CONTINUOUS	---	3.041

CONSTRUCTION NOTES

- 1 REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- 2 REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- 3 REMOVE EXISTING SERVICE CABINET, ASSOCIATED CONDUIT AND CONDUCTORS. CONTACT SERVICE UTILITY FOR POWER DISCONNECT/RECONNECT.
- 5 REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- 6 INSTALL NEW TYPE B MODIFIED SERVICE CABINET TWO POST INSTALLATION PER STANDARD PLAN J-10.20-01. CONTACT SERVING UTILITY FOR POWER DISCONNECT/CONNECTION.
- 12 INSTALL CONDUIT IN ACCORDANCE WITH INLAND POWER AND LIGHT UTILITIES STANDARDS. COORDINATE CONDUCTOR INSTALLATION, AS WELL AS OTHER ITEMS, BY INLAND POWER AND LIGHT UTILITIES. SEE SPECIAL PROVISIONS.
- 13 CONDUIT TO BE INSTALLED BY BORING. MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.



WIRING SCHEDULE EB OFF-RAMP (09026411)					
NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	ILLUMINATION
4	2"		PULL TAPE	A	FUTURE
5	2"		4-#8	A,B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#8	B	ILLUMINATION
	2"		PULL TAPE	B	FUTURE
P	3"	POWER SERVICE CONNECTION. INSTALL PER SERVING UTILITY REQUIREMENTS.			

LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #3 - SALNAVE IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
EX1	A	SA 514+17'	23.0' RT	III - MED CUTOFF - *LED	---	---	---	---
EX2	A	SA 516+45'	23.5' RT	III - MED CUTOFF - *LED	---	---	---	---
EX5	B	LL 508+53'	38.0' LT	III - MED CUTOFF - *LED	---	---	---	---
5	B	LL 506+34'	32.5' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2

\* LED HEADS SHALL BE 250W EQUIVALENT.

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PLOTTED BY	WillinF									
DESIGNED BY	J. MURR / G. BOHNET									
ENTERED BY	J. MURR									
CHECKED BY	G. BOHNET / R. STULL									
PROJ. ENGR.	G. WAGEMANN, P.E.									
REGIONAL ADM.	M. FRUCCI, P.E. (ACTING)									
		REVISION		DATE	BY					



SEE SHEET CT1

P.E. STAMP BOX



P.E. STAMP BOX

I-90 & US 2 INTERCHANGES  
ILLUMINATION REBUILD

ILLUMINATION & SIGNING PLAN

Plot 1

PLAN REF NO

ILSN8

SHEET  
12  
OF  
35  
SHEETS



NOTES

SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

SPOKANE COUNTY

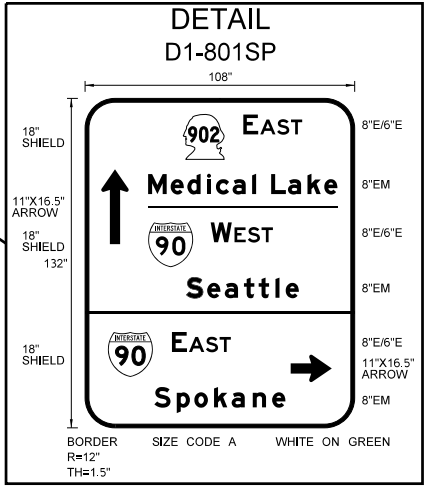
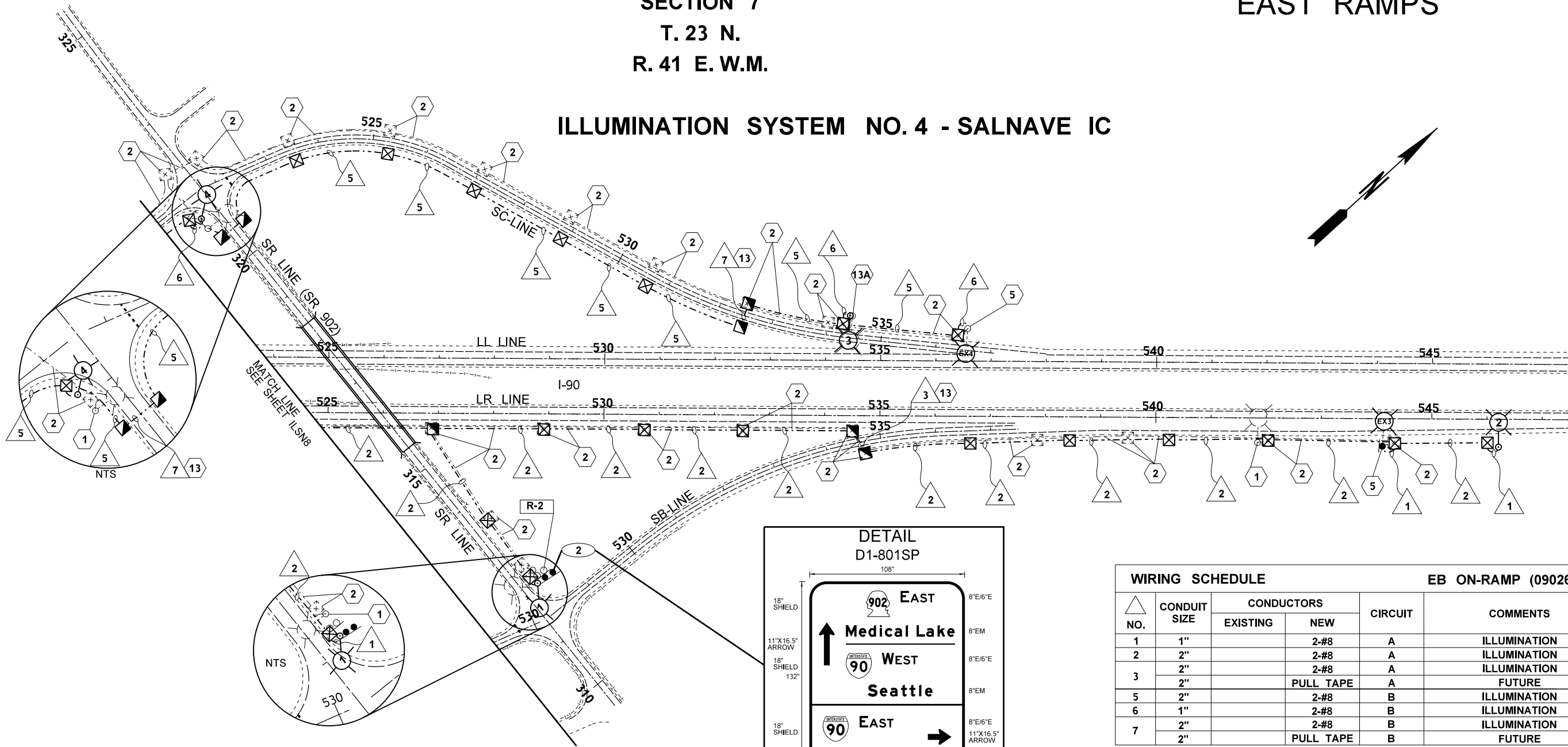
SECTION 7

T. 23 N.

R. 41 E.W.M.

SALNAVE INTERCHANGE  
EAST RAMPS

ILLUMINATION SYSTEM NO. 4 - SALNAVE IC



WIRING SCHEDULE					EB ON-RAMP (09026411)
NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	ILLUMINATION
	2"		PULL TAPE	A	FUTURE
5	2"		2-#8	B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#8	B	ILLUMINATION
	2"		PULL TAPE	B	FUTURE

CONSTRUCTION NOTES

- REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER. BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- CONDUIT TO BE INSTALLED BY BORING. MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.
- REPLACE POLE, MASTARM, AND COBRA HEAD ONLY. EXISTING FOUNDATION TO REMAIN.

LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #3 - SALNAVE IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
1	A	SR 902 312+11'	30.0' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
EX3	A	LR 544+11'	37.0' RT	III - MED CUTOFF - *LED	---	---	---	---
2	A	LR 546+21'	34.5' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
EX4	B	SC 536+54'	21.5' LT	III - MED CUTOFF - *LED	---	---	---	---
3	B	SC 534+40'	23.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
4	B	SR 902 321+07'	31.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2

\* LED HEADS SHALL BE 250W EQUIVALENT.

0 100 200  
SCALE IN FEET

FILE NAME										G:\XL6454 I-90 Sprague to SR 904 - III RebiCAD\Contract Plan Sheets\NewPlanSheetsToBeUsedWithNewBaseMaps\4 XL6454 Salnave IC_PS_IL.dgn																																		
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DATE					3/15/2023															10					WASH																			
PLOTTED BY					WillinF																				JOB NUMBER					23Z007					LOCATION NO.  XL6454									
DESIGNED BY					J. MURR / G. BOHNET																																							
ENTERED BY					J. MURR																																							
CHECKED BY					G. BOHNET / R. STULL																																							
PROJ. ENGR.					G. WAGEMANN, P.E.																																							
REGIONAL ADM.					M. FRUCCI, P.E. (ACTING)																																							
										REVISION										DATE					BY																			

NOTES

SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

ILLUMINATION SYSTEM NO. 5 - FOUR LAKES IC

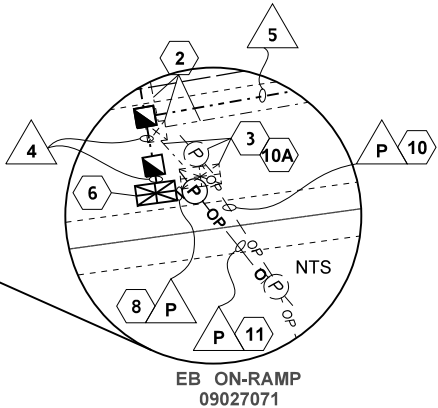
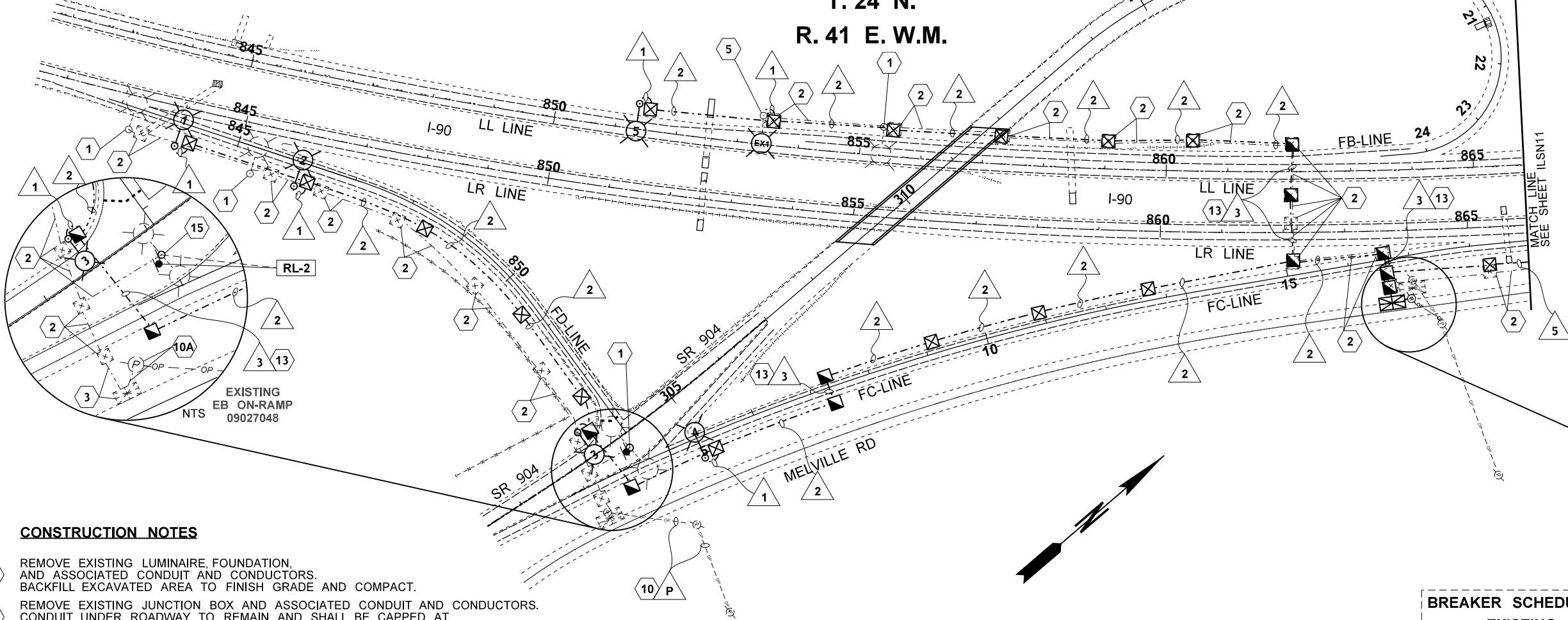
SPOKANE COUNTY

SECTION 23

T. 24 N.

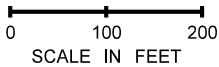
R. 41 E. W.M.


FOUR LAKES  
INTERCHANGE  
WEST RAMPS



CONSTRUCTION NOTES

- 1 REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- 2 REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- 3 REMOVE EXISTING SERVICE CABINET, ASSOCIATED CONDUIT AND CONDUCTORS. CONTACT SERVICE UTILITY FOR POWER DISCONNECT/RECONNECT.
- 5 REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- 6 INSTALL NEW TYPE B MODIFIED SERVICE CABINET TWO POST INSTALLATION PER STANDARD PLAN J-10.20-01. CONTACT SERVING UTILITY FOR POWER DISCONNECT/CONNECTION.
- 8 INSTALL CONDUIT IN ACCORDANCE WITH AVISTA UTILITIES. COORDINATE CONDUCTOR INSTALLATION, AS WELL AS OTHER ITEMS, BY AVISTA UTILITIES. SEE SPECIAL PROVISIONS.
- 10 EXISTING POWER POLE AND CONDUCTORS TO BE REMOVED BY AVISTA UTILITIES. SEE SERVICE AGREEMENT.
- 10A REMOVE EXISTING WSDOT POWER POLE, CONDUIT, AND CONDUCTORS.
- 11 NEW POWER POLE, RISER, AND CONDUCTORS TO BE INSTALLED BY AVISTA UTILITIES. SEE SERVICE AGREEMENT.
- 13 CONDUIT TO BE INSTALLED BY BORING. MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.
- 15 REMOVE EXISTING DOUBLE MAST ARM LUMINAIRE POLE, MAST ARMS, AND CONDUCTORS. LEAVE FOUNDATION CUT BOLTS AND CONDUIT FLUSH TO FOUNDATION TOP. GROUT CONDUIT END IN FOUNDATION, TO 3" INTO CONDUIT.



WIRING SCHEDULE				EB ON-RAMP (09027071)	
 NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#6	A	ILLUMINATION
3	2"		2-#6	A	ILLUMINATION
	2"		PULL TAPE	A	FUTURE
4	2"		4-#6	A,B	ILLUMINATION
5	2"		2-#6	B	ILLUMINATION
P	POWER SERVICE CONNECTION. INSTALL PER SERVING UTILITY REQUIREMENTS.				

LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #5 - FOUR LAKES IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
1	A	FD 844+02'	24.0' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
2	A	FD 846+08'	23.5' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
3	A	SR 904 303+42'	40.5' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
4	A	FC 5+01'	27.5' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 1
EX1	A	LL 853+38'	32.0' LT	III - MED CUTOFF - *LED	---	---	---	---
5	A	LL 851+35'	28.0' LT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 2

\* LED HEADS SHALL BE 250W EQUIVALENT.

BREAKER SCHEDULE - EB ON-RAMP TERMINAL (09027048)				
EXISTING TYPE B SERVICE 120/240V				
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	MAIN	---	---	---
1	LTG. 1	20 AMP	30 AMP	120
2	CONTROL	15 AMP	N/A	120

BREAKER SCHEDULE - EB ON-RAMP TERMINAL (09027071)				
EXISTING TYPE B SERVICE 120/240V				
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	MAIN	---	---	---
1	LTG. 2	20 AMP	30 AMP	120
2	CONTROL	15 AMP	N/A	120

BREAKER SCHEDULE - EB ON-RAMP TERMINAL (09027071)					
NEW TYPE B MODIFIED SERVICE 120/240V					
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	ILLUMINATION A	20 AMP	30 AMP	240	0.87
B	ILLUMINATION B	20 AMP	30 AMP	240	0.87
C	GFCI	20 AMP	N/A	120	1.8
D	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM				PEAK	---
				CONTINUOUS	3.541

FILE NAME		G:\XL6454 I-90 Sprague to SR 904 - III Reb\CAD\Contract Plan Sheets\NewPlanSheetsToBeUsedWithNewBaseMaps\5 XL6454 Four Lakes IC_PS_IL.dgn									
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DATE	3/15/2023					10	WASH				
PLOTTED BY	WillinF					JOB NUMBER		LOCATION NO.  XL6454			
DESIGNED BY	J. MURR / G. BOHNET					23Z007					
ENTERED BY	J. MURR					CONTRACT NO.					
CHECKED BY	G. BOHNET / R. STULL										
PROJ. ENGR.	G. WAGEMANN, P.E.										
REGIONAL ADM.	M. FRUCCI, P.E. (ACTING)										
REVISION						DATE	BY				

CONSTRUCTION NOTES

- 1

REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL EXCAVATED AREA TO FINISH GRADE AND COMPACT.
- 2

REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL BE CAPPED AT THE EDGE OF SHOULDER BACKFILL AND COMPACT EXCAVATED AREA TO FINISH GRADE.
- 5

REMOVE EXISTING LUMINAIRE HEAD ONLY. INSTALL NEW LED 250W EQUIVALENT LUMINAIRE HEAD ONLY.
- 13

CONDUIT TO BE INSTALLED BY BORING. MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. BORE PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.

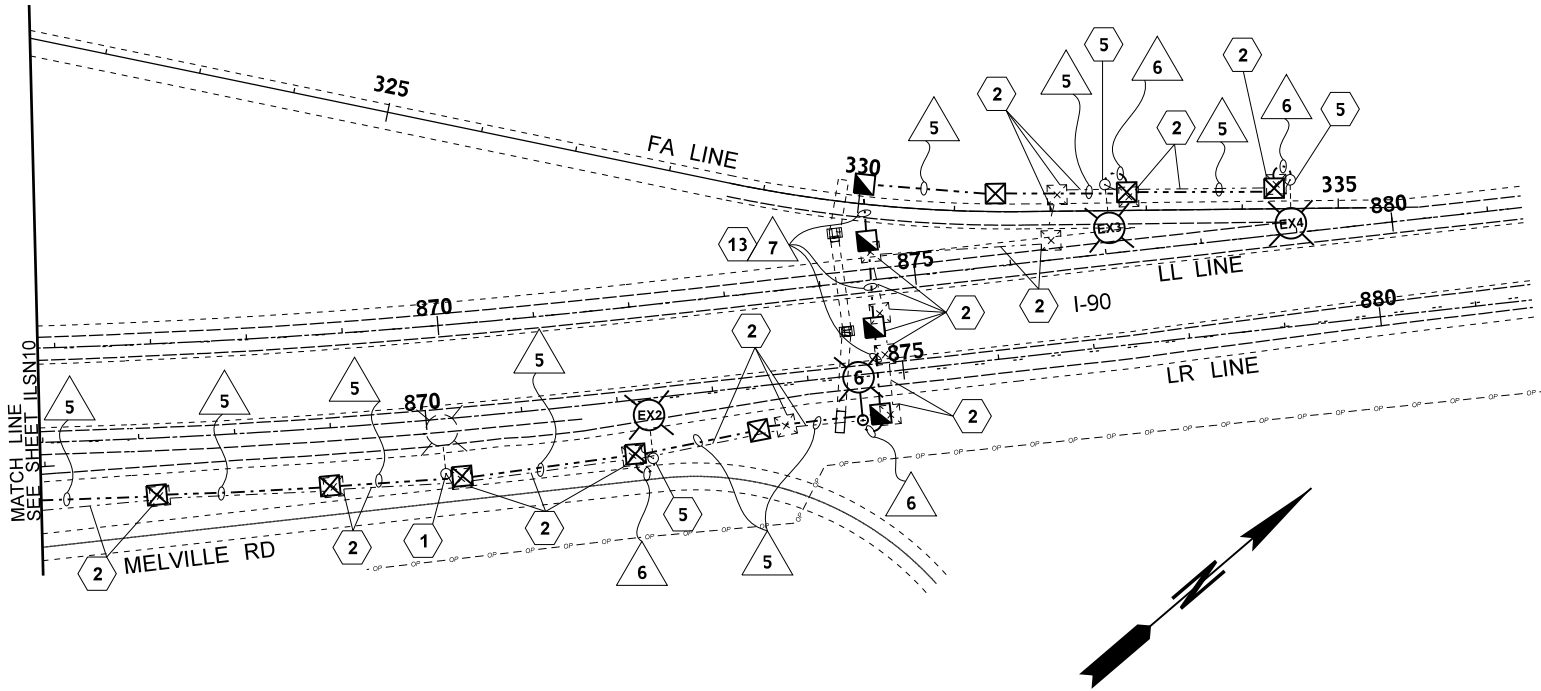
NOTES

SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

SPOKANE COUNTY  
SECTION 14  
T. 24 N.  
R. 41 E. W.M.

FOUR LAKES INTERCHANGE  
EAST RAMPS

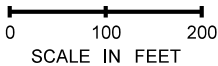
ILLUMINATION SYSTEM NO. 5 - FOUR LAKES IC



LUMINAIRE SCHEDULE - ILLUMINATION SYSTEM #5 - FOUR LAKES IC								
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
EX2	B	LR 872+31'	37.0' RT	III - MED CUTOFF - *LED	---	---	---	---
6	B	LR 874+52'	30.0' RT	III - MED CUTOFF - *LED	16'	40'	SLIP	FOUNDATION TYPE B - METHOD 1
EX3	B	FA 332+57'	18.3' LT	III - MED CUTOFF - *LED	---	---	---	---
EX4	B	FA 334+50'	19.5' LT	III - MED CUTOFF - *LED	---	---	---	---

\* LED HEADS SHALL BE 250W EQUIVALENT.

WIRING SCHEDULE					FOUR LAKES IC
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
5	2"		2-#8	B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#8	B	ILLUMINATION
	2"		PULL TAPE	B	FUTURE



FILE NAME	G:\XL6454 I-90 Sprague to SR 904 - III Reb\CAD\Contract Plan Sheets\NewPlanSheetsToBeUsedWithNewBaseMaps\5 XL6454 Four Lakes IC_PS_IL.dgn
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DATE	3/15/2023
PLOTTED BY	WillinF
DESIGNED BY	J. MURR / G. BOHNET
ENTERED BY	J. MURR
CHECKED BY	G. BOHNET / R. STULL
PROJ. ENGR.	G. WAGEMANN, P.E.
REGIONAL ADM.	M. FRUCCI, P.E. (ACTING)
REVISION	DATE BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	0905(109)
JOB NUMBER	23Z007	
CONTRACT NO.		LOCATION NO.
		XL6454



SEE SHEET CT1

P.E. STAMP BOX



P.E. STAMP BOX

I-90 & US 2 INTERCHANGES  
ILLUMINATION REBUILD

ILLUMINATION & SIGNING PLAN

Plot 2  
PLAN REF NO  
ILSN11  
SHEET  
15  
OF  
35  
SHEETS



T.25N. R.42E. W.M.  
CITY OF SPOKANE

ILLUMINATION SYSTEM NO. 6 - SUNSET IC  
R1N-LINE  
ILLUMINATION SYSTEM NO. 7 - SUNSET IC  
Q1-LINE, LXN-LINE, LX-LINE, P1-LINE  
ILLUMINATION SYSTEM NO. 8 - SUNSET IC  
R2-LINE, LX-LINE, S1-LINE, S1W-LINE, P1-LINE

NOTES

SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

SEE CONSTRUCTION NOTES, LUMINAIRE SCHEDULE, BREAKER SHEDULE,  
AND WIRING SCHEDULE ON SHEET IL1 & IL2.

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DESIGNED BY	F. WILLINGHAM		
ENTERED BY	F. WILLINGHAM		
CHECKED BY	R. STULL		
PROJ. ENGR.	G. WAGEMANN P.E.		
REGIONAL ADM.	M. FRUCCI P.E. (ACTING)		



REGION  
NO.  
10

STATE  
WASH

JOB NUMBER  
23Z007

CONTRACT NO.

FED.AID PROJ.NO.  
0905(109)

LOCATION NO.  
XL6451



SEE SHEET CT1

P.E. STAMP BOX



Washington State  
Department of Transportation

I-90 & US 2 INTERCHANGES  
ILLUMINATION REBUILD

ILLUMINATION & SIGNING PLAN

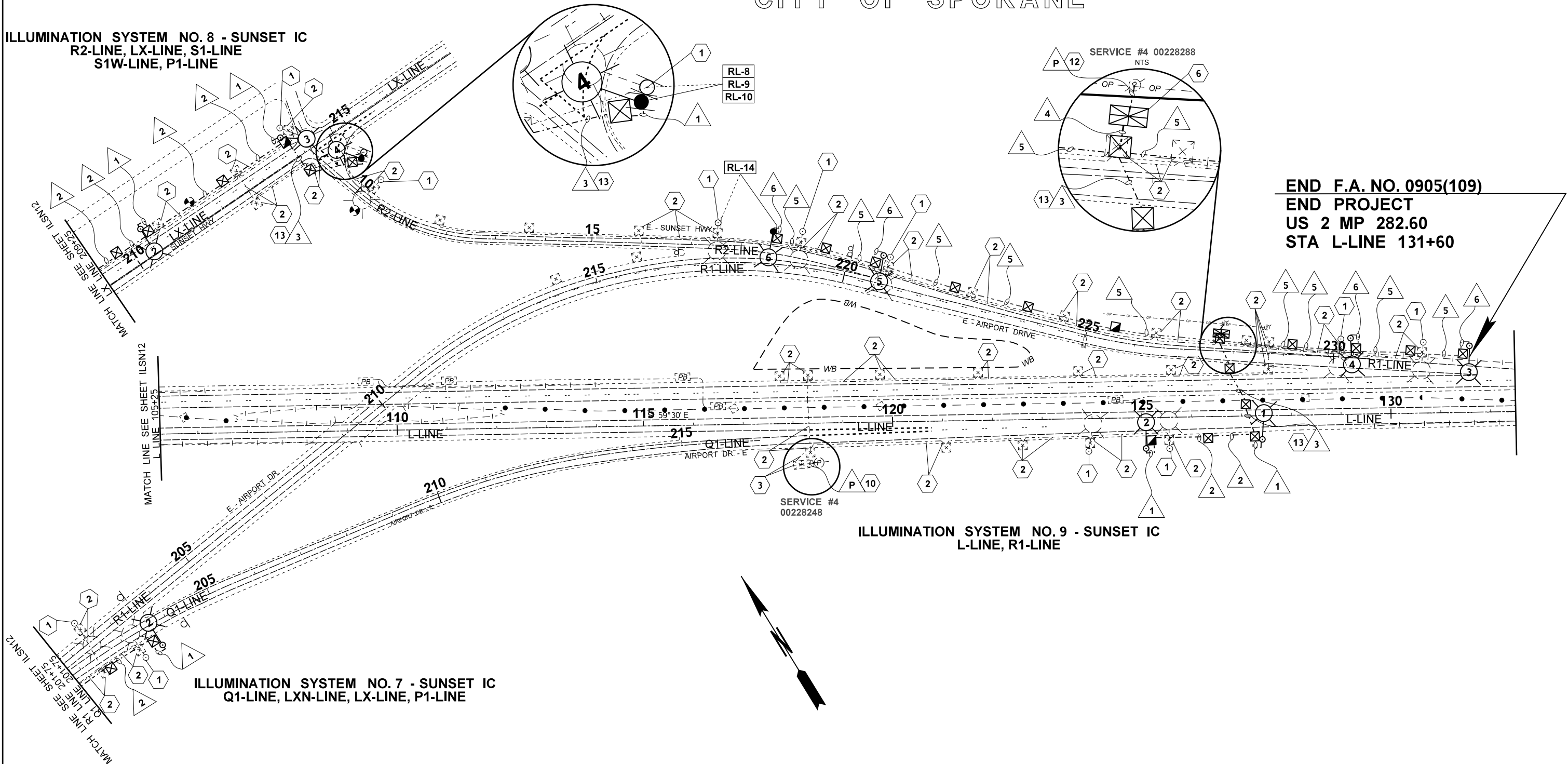
Plot 2

PLAN REF NO  
ILSN12

SHEET  
16  
OF  
35  
SHEETS

**T.25N. R.42E. W.M.**  
CITY OF SPOKANE

**ILLUMINATION SYSTEM NO.8 - SUNSET IC**  
**R2-LINE, LX-LINE, S1-LINE**  
**S1W-LINE, P1-LINE**



## NOTES

SEE GENERAL NOTES AND LEGEND SHEET ILSN1.

SEE CONSTRUCTION NOTES, LUMINAIRE SCHEDULE, BREAKER SCHEDULE,  
AND WIRING SCHEDULE ON SHEET IL1 & IL2.

0 100 200

SCALE IN FEET

[illegible]

WIRING SCHEDULE					SERVICE NO. 1
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	BORE LOCATION
	2"		SPARE		FUTURE
4	2"		4-#8	A,B	ILLUMINATION
5	2"		2-#8	B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#8	B	ILLUMINATION
	2"		SPARE		FUTURE
P	2"	POWER SERVICE CONNECTION.INSTALL PER SERVING UTILITY REQUIREMENTS.			

BREAKER SCHEDULE					SERVICE #1
TYPE B MOD SERVICE					120/240V
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	1,2	30 AMP	30 AMP	240	.62
B	3,4	30 AMP	30 AMP	240	.62
C	SPARE	---	---	---	---
D	---	---	---	---	---
E	GFCI	20 AMP	N/A	120	1.8
F	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK		---
			CONTINUOUS		3.041

WIRING SCHEDULE					SERVICE NO. 2
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	BORE LOCATION
	2"		SPARE		FUTURE
4	2"		4-#8	A,B	ILLUMINATION
5	2"		2-#8	B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#8	B	ILLUMINATION
	2"		SPARE		FUTURE
P	2"	POWER SERVICE CONNECTION.INSTALL PER SERVING UTILITY REQUIREMENTS.			

BREAKER SCHEDULE					SERVICE #2
TYPE B MOD SERVICE					120/240V
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	1,2	30 AMP	30 AMP	240	.62
B	3,4,5	30 AMP	30 AMP	240	.62
C	SPARE	---	---	---	---
D	---	---	---	---	---
E	GFCI	20 AMP	N/A	120	1.8
F	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK		X
			CONTINUOUS		3.041

LUMINAIRE SCHEDULE					SERVICE NO. 1				
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS	
		STATION	OFFSET						
1	A	R1N 180+17	54.6' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2	
2	A	R1N 182+60	70.6' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2	
3	B	R1N 188+94	59.3' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2	
4	B	R1N 191+27	64.3' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2	

LUMINAIRE SCHEDULE				SERVICE NO. 2				
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
		STATION	OFFSET					
1	A	Q1 201+18	23.0' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
2	A	Q1 203+62	23.0' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
3	B	LXN 202+29	23.0' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
4	B	LX 204+76	30.0' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2
5	B	P1 9+72	23.0' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP	FOUNDATION TYPE A - METHOD 2

CONSTRUCTION NOTES

- 1

REMOVE EXISTING LUMINAIRE, FOUNDATION, AND ASSOCIATED CONDUIT AND CONDUCTORS. BACKFILL AND COMPACT TO FINISHED GRADE.
- 2

REMOVE EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN AND SHALL CAPPED AT THE EDGE OF SHOULDER. BACKFILL AND COMPACT TO FINISH GRADE.
- 3

REMOVE EXISTING SERVICE CABINET AND ASSOCIATE CONDUIT AND CONDUCTORS. CONTACT SERVICE UTILITY FOR POWER DISCONNECT/RECONNECT.
- 6

INSTALL NEW TYPE B MODIFIED SERVICE CABINET TWO POST INSTALLATION PER STANDARD PLAN J-10.20-01. CONTACT SERVING UTILITY FOR POWER DISCONNECT/CONNECTION.
- 10

EXISTITNG POWER POLE AND CONDUCTORS TO BE REMOVED BY AVISTA UTILITIES. REMOVED PER SERVICE AGREEMENT.
- 11

NEW POWER POLE AND CONDUCTORS TO BE INSTALLED BY AVISTA UTILITIES. INSTALL PER SERVICE AGREEMENT.
- 12

INSTALL CONDUIT IN ACCORDANCE WITH INLAND POWER AND LIGHT UTILITIES STANDARDS. COORDINATE CONDUCTOR INSTALLATION, AS WELL AS OTHER ITEMS, BY INLAND POWER AND LIGHT UTILITIES. SEE SPECIAL PROVISIONS.
- 13


CONDUIT TO BE INSTALLED BY BORING. MULTIPLE CONDUITS ARE TO BE PLACED IN A SINGLE BORE. PAY LIMITS ARE 3' OUTSIDE OF JUNCTION BOX.
- 16

REMOVE EXISTING CONDUCTORS ONLY, USE EXISTING CONDUIT FOR NEW CONDUCTORS.
- 17

INSTALL 12" X 50' CULVERT AT EXISTING DITCH FLOW LINE PER STANDARD PLAN J-28.22-00 CASE C. INSTALL BEVELED END SECTIONS PER STANDARD PLAN B-70.20
- 19

REPLACE CCTV POWER AT CABINET. SEE WIRE NUMBER 14 WIRE SCHEDULE SERVICE #3. SEE SHEET IL2.
- 20

LOCATION OF EXISTING STORM CULVERT. INSTALL 10' RMC CONDUIT OVER EXISTING CULVERT TO A DEPTH OF 16". 1.5' AWAY FROM EDGE OF PAVEMENT. CONDUIT SHALL BE PLACED SO THAT THE MIDDLE OF THE CONDUIT IS OVER THE CENTER OF THE CULVERT.

FILE NAME										G:\XL6451 US2 Sunset Interchange III Rep\CADD\Contract Plans\XL6451_PS_IL.dgn										Plot 4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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WIRING SCHEDULE					SERVICE NO. 3
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	ILLUMINATION
	2"		SPARE	A	FUTURE
5	2"		2-#8	B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#8	B	ILLUMINATION
	2"		SPARE	B	FUTURE
EX13	2"	6-#4	4-#8/2-#6	A,B,C	ILLUMINATION / CCTV
EX14	2"	2-#2	2-#6	C	CCTV-TO REMAIN
EX15	2"	1-12 SMFO		---	FIBER-TO REMAIN
P	2"	POWER SERVICE CONNECTION.INSTALL PER SERVING UTILITY REQUIREMENTS.			

BREAKER SCHEDULE					SERVICE #3
TYPE B MOD SERVICE					120/240V
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	1,2,3,4	30 AMP	30 AMP	240	.62
B	5,6,7,8	30 AMP	30 AMP	240	.62
C	CCTV	40 AMP	---	120	---
D	SPARE	---	---	---	---
E	GFCI	20 AMP	N/A	120	1.8
F	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK		X
			CONTINUOUS		3.041

BREAKER SCHEDULE					EXISTING SERVICE #3
TYPE D SERVICE					120/240V
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
1	EX ILLUMINATION	20 AMP	30 AMP	240	---
2	EX ILLUMINATION	20 AMP	30 AMP	240	---
3	EX ILLUMINATION	20 AMP	30 AMP	240	---
4	CCTV	40 AMP	N/A	120	---
5	HEAT	15 AMP	N/A	120	---
6	CONTROL	15 AMP	N/A	120	---
7	G.F.R.	20 AMP	N/A	120	---

LUMINAIRE SCHEDULE					SERVICE NO. 3				
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE		COMMENTS
		STATION	OFFSET						
1	A	S1 104+15	18.1' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
2	A	LX 210+40	39.4' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
3	A	LX 213+76	47.0' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
4	A	R2 9+87	23.0' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
5	B	S1W 92+62	16.7'	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
6	B	L-LINE 90+32	96.4' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
7	B	L-LINE 90+39	55.2' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
8	B	L-LINE 87+86	39.7' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2

WIRING SCHEDULE					SERVICE NO. 4
△ NO.	CONDUIT SIZE	CONDUCTORS		CIRCUIT	COMMENTS
		EXISTING	NEW		
1	1"		2-#8	A	ILLUMINATION
2	2"		2-#8	A	ILLUMINATION
3	2"		2-#8	A	BORE LOCATION
	2"		SPARE		FUTURE
4	2"		4-#8	A,B	ILLUMINATION
5	2"		2-#8	B	ILLUMINATION
6	1"		2-#8	B	ILLUMINATION
7	2"		2-#8	B	ILLUMINATION
	2"		SPARE		FUTURE
P	3"	POWER SERVICE CONNECTION.INSTALL PER SERVING UTILITY REQUIREMENTS.			

BREAKER SCHEDULE					SERVICE #4
TYPE B MOD SERVICE					120/240V
CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	1,2	30 AMP	30 AMP	240	.62
B	3,4,5,6	30 AMP	30 AMP	240	.62
C	SPARE	---	---	---	---
D	---	---	---	---	---
E	GFCI	20 AMP	N/A	120	1.8
F	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK		X
			CONTINUOUS		3.041

LUMINAIRE SCHEDULE					SERVICE NO. 4				
LUMINAIRE NUMBER	CIRCUIT	LOCATION		TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE		COMMENTS
		STATION	OFFSET						
1	A	L-LINE 127+41	28.0' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
2	A	L-LINE 125+08	32.2' RT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE B - METHOD 2
3	B	L-LINE 131+60	113.7' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION 12.5' - METHOD 1
4	B	R1 129+21	22.9' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE B - METHOD 2
5	B	R1 220+68	30.4' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2
6	B	R1 218+51	49.3' LT	III - MED CUTOFF - 250 LED	16'	40'	SLIP		FOUNDATION TYPE A - METHOD 2

FILE NAME G:\XL6451 US2 Sunset Interchange III Rep\CADD\Contract Plans\XL6451_PS_IL.dgn										Plot 5
TIME 6:23:26 AM						REGION NO. STATE		FED.AID PROJ.NO. 0905(109)		PLAN REF NO
DATE 3/16/2023						10 WASH				IL2
PLOTTED BY BohnetG						JOB NUMBER				SHEET 19 OF 35 SHEETS
DESIGNED BY F. WILLINGHAM						23Z007				
ENTERED BY F. WILLINGHAM						CONTRACT NO.		LOCATION NO.		
CHECKED BY R. STULL								XL6451		
PROJ. ENGR. G. WAGEMANN P.E.								SEE SHEET CT1		
REGIONAL ADM. M. FRUCCI P.E. (ACTING)		REVISION		DATE		BY		DATE		WIRE AND BREAKER SCHEDULE
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AT SPRAGUE INTERCHANGE (EAST)



EXISTING CABINET  
INTERIOR DETAIL—

EXISTING TRANSFORMER CABINET-

EXISTING TYPE 1  
ILLUMINATION JUNCTION BOX-

AVA24057

25  
7620  
240/120

SERVICE CABINET AND TRANSFORMER  
TO BE REMOVED

**AT FISHTRAP IC**



EXISTING MODIFIED  
TYPE B SERVICE CABINET

EXISTING GROUND WELLS

SERVICE CABINET  
TO BE REMOVED

**AT SPRAGUE INTERCHANGE (WEST)**



EXISTING MODIFIED  
TYPE B SERVICE CABINET→

EXISTING TYPE 1  
ILLUMINATION JUNCTION BOX

EXISTING GROUND WELL:

SERVICE CABINET AND TIMBER POLE  
TO BE REMOVED

AT TYLER IC



EXISTING TIMBER  
POLE

EXISTING SERVICE CABINET

SERVICE CABINET  
TO BE REMOVED

FILE NAME		G:\XL6454 I-90 Sprague to SR 904 - III Rebuild\CAD\Contract Plan Sheets\XL6454 I-90 Sprague to SR 904-III Rebuild_PS_ILD.dgn													
TIME		2:22:26 PM								REGION NO.		STATE		FED.AID PROJ.NO. 0905(109)	
DATE		3/15/2023								10		WASH			
PLOTTED BY		WillinF								JOB NUMBER					
DESIGNED BY		J. MURR / G. BOHNET								23Z007				LOCATION NO.  XL6454	
ENTERED BY		J. MURR													
CHECKED BY		G. BOHNET / R. STULL								CONTRACT NO.					
PROJ. ENGR.		G. WAGEMANN, P.E.													
REGIONAL ADM.		M. FRUCCI P.E. (ACTING)				REVISION		DATE		BY					



P F STAMP BOX

SEE SHEET CT1

P F STAMP BOY



## ILLUMINATION DETAILS

Plot 2

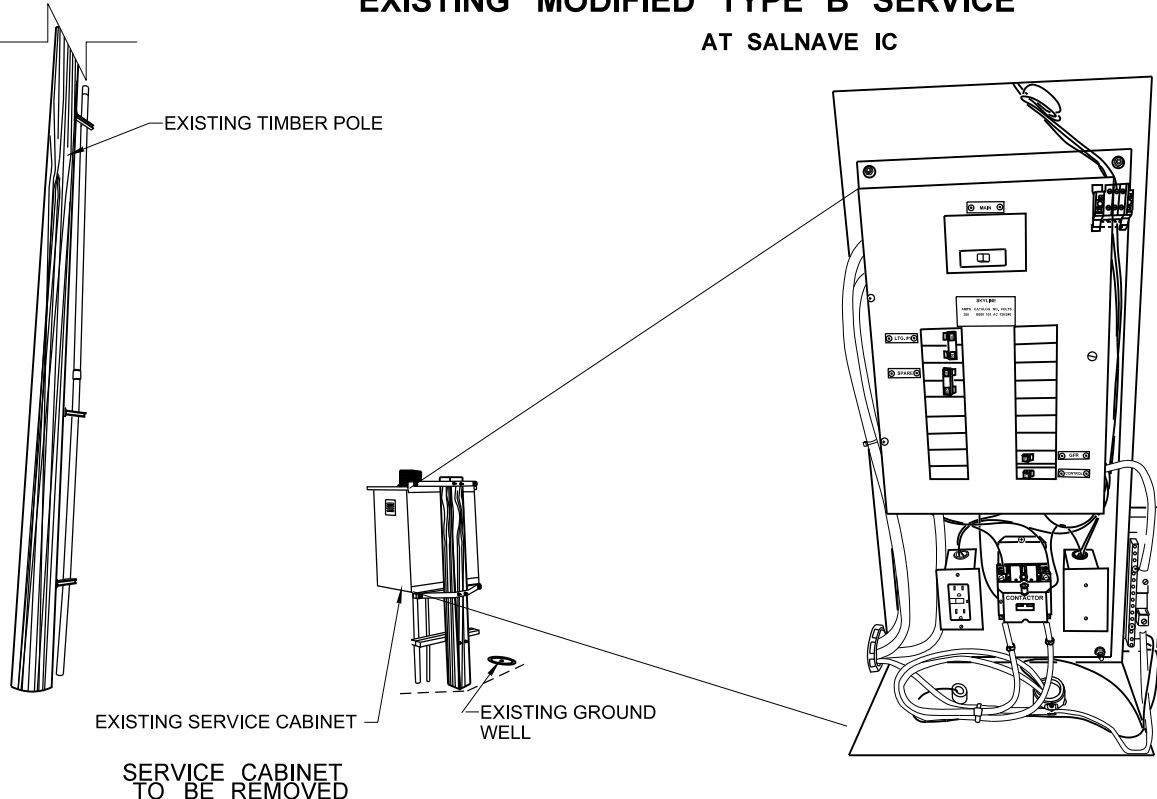
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**ILD1**

SHEET  
**20**  
OF  
**35**  
SHEETS



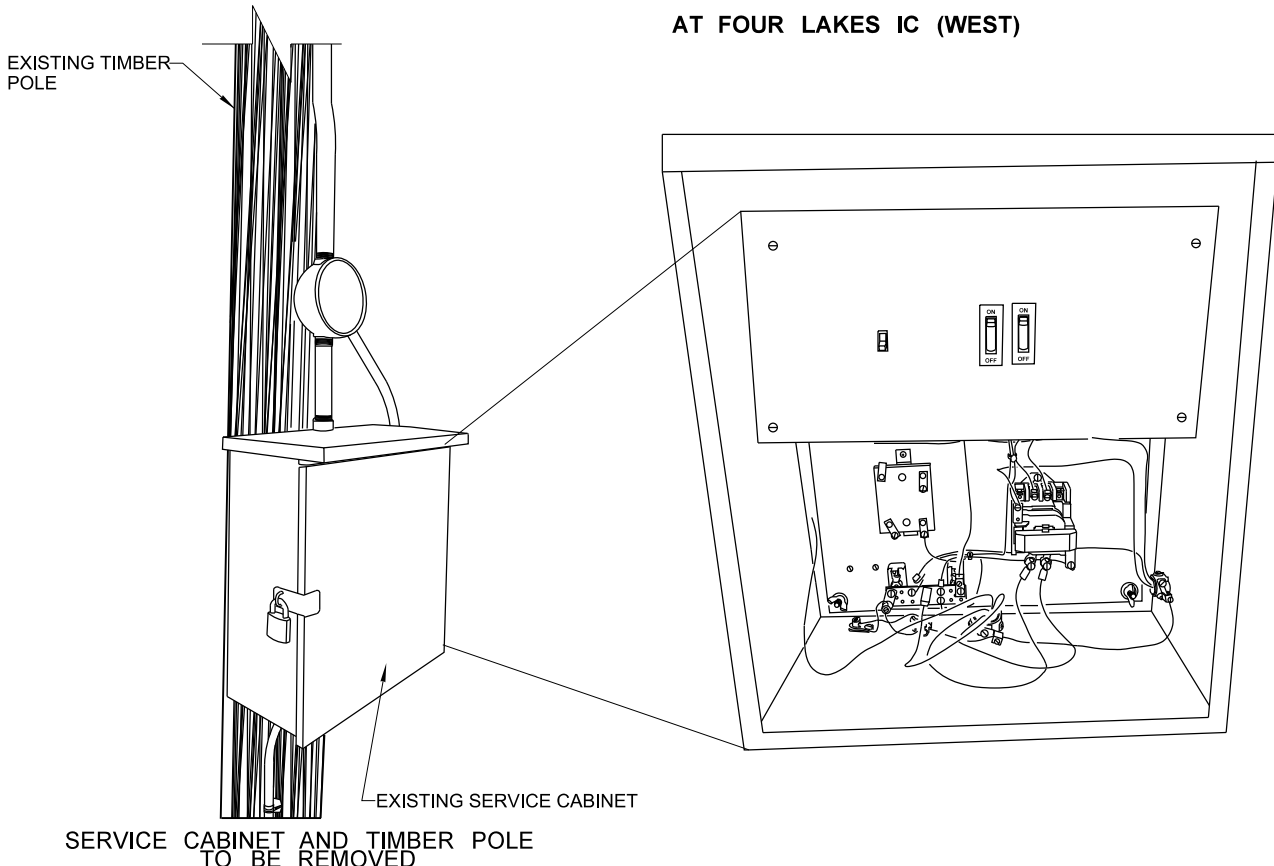
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AT SALNAVE IC



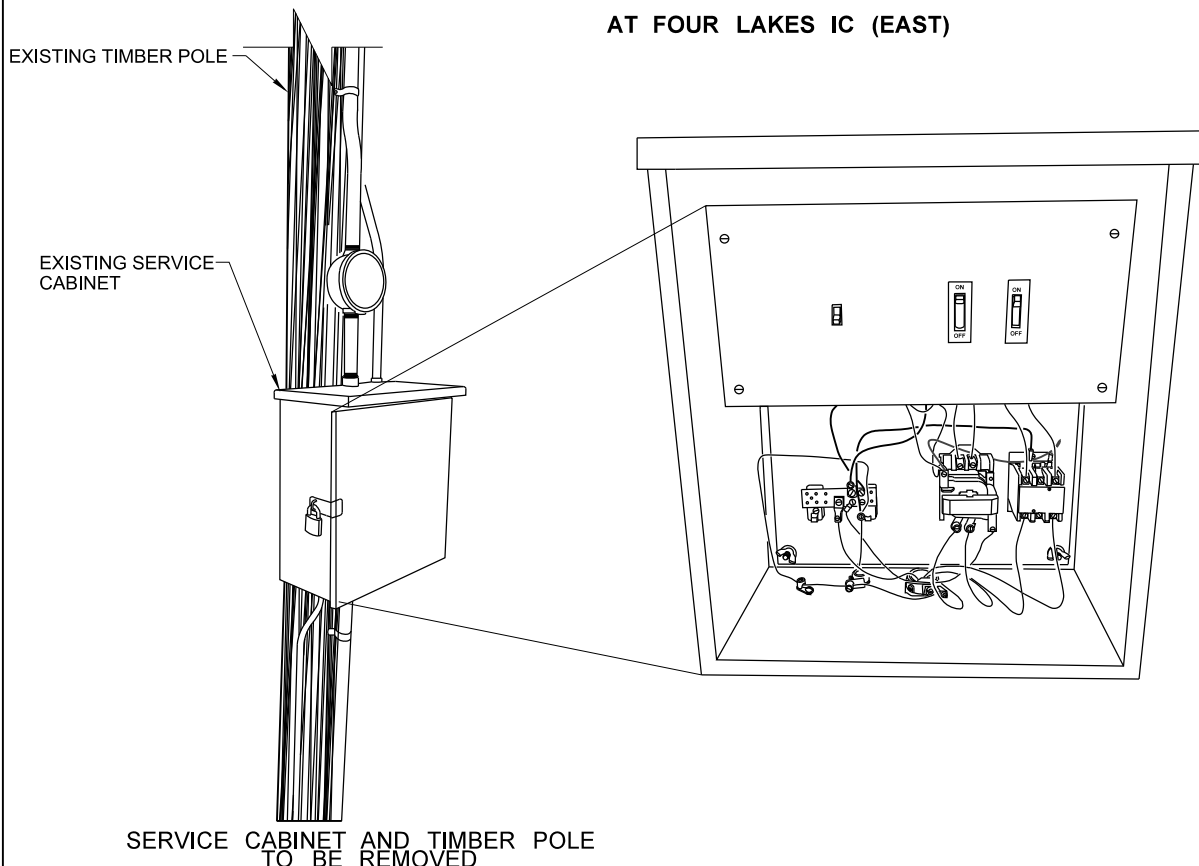
## EXISTING SERVICE

AT FOUR LAKES IC (WEST)



## EXISTING SERVICE

AT FOUR LAKES IC (EAST)



FILE NAME										G:\XL6454 I-90 Sprague to SR 904 - III Rebuild\CAD\Contract Plan Sheets\XL6454 I-90 Sprague to SR 904-III Rebuild_PS										ILD.dgn																																							
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DATE										3/15/2023																														10																			
PLOTTED BY										WillinF																														JOB NUMBER										LOCATION NO.  XL6454									
DESIGNED BY										J. MURR / G. BOHNET																														23Z007																			
ENTERED BY										J. MURR																														CONTRACT NO.																			
CHECKED BY										G. BOHNET / R. STULL																																																	
PROJ. ENGR.										G. WAGEMANN, P.E.																																																	
REGIONAL ADM.										M. FRUCCIPPE (ACTING)										REVISION										DATE										BY																			



SEE SHEET CT1

P.E. STAMP BOX

SEE SHEET CT1

P.E. STAMP BOX



**Washington State  
Department of Transportation**

## I-90 & US 2 INTERCHANGES ILLUMINATION REBUILD

## ILLUMINATION DETAILS

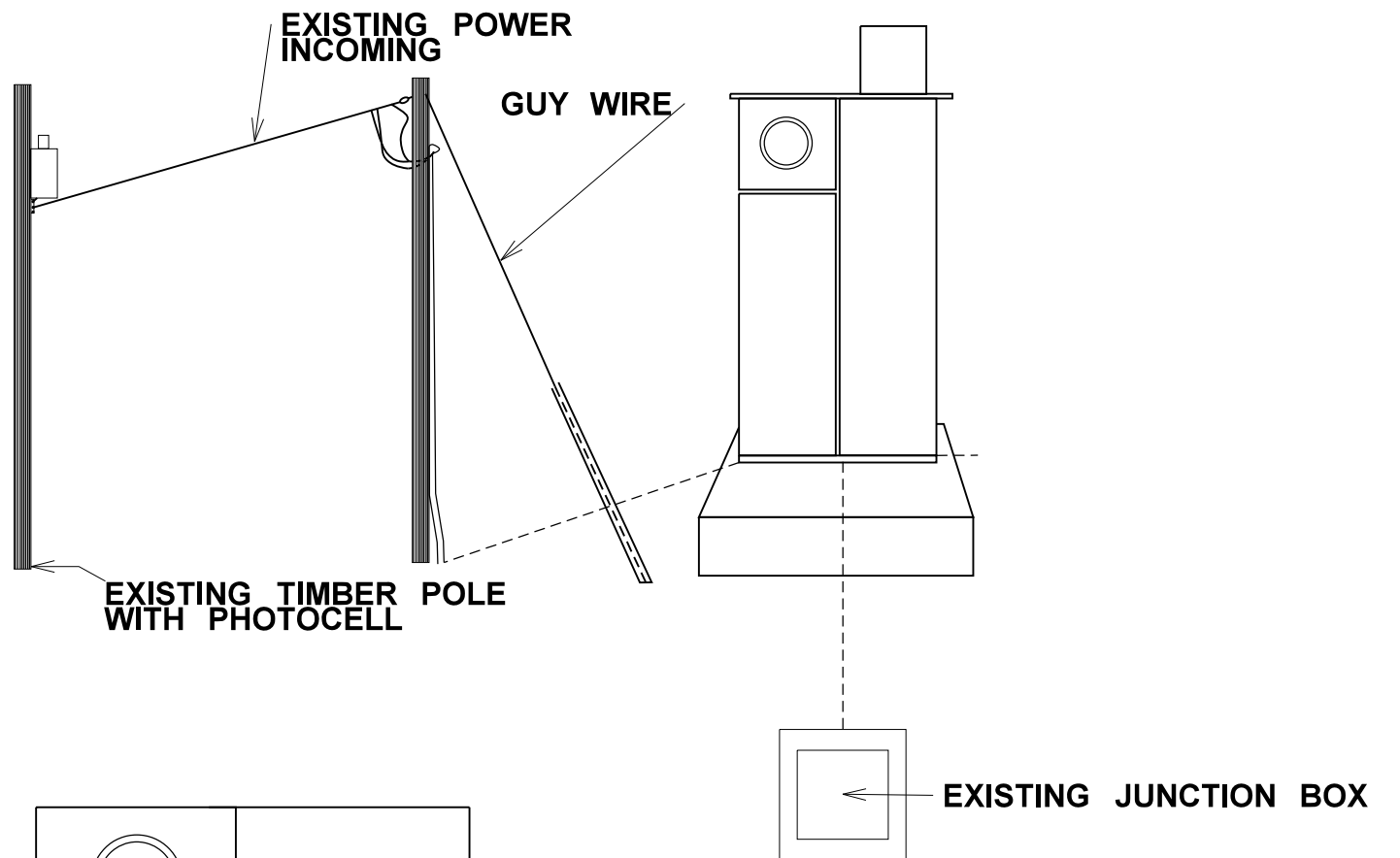
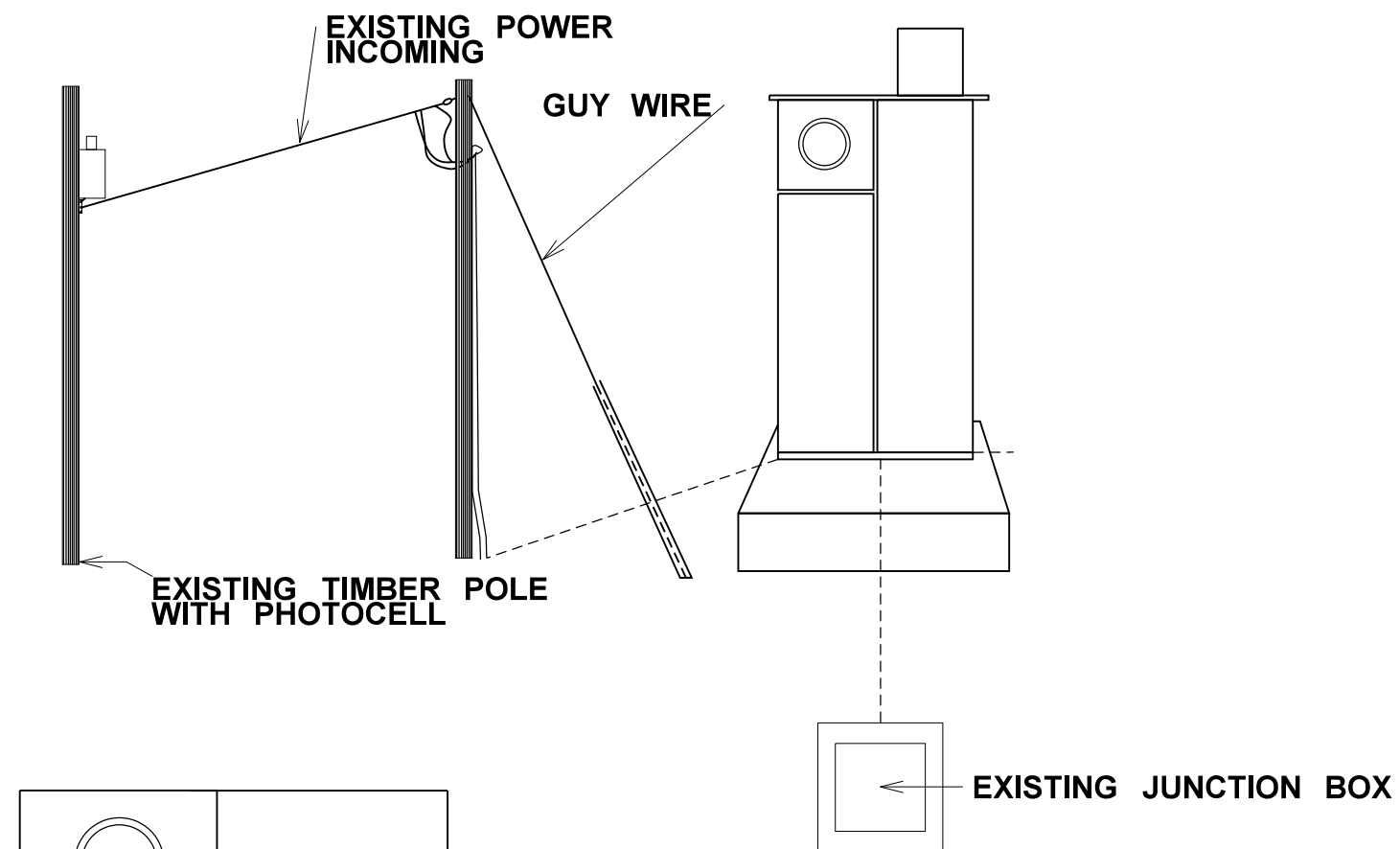
Plot 3



PLAN REF NO

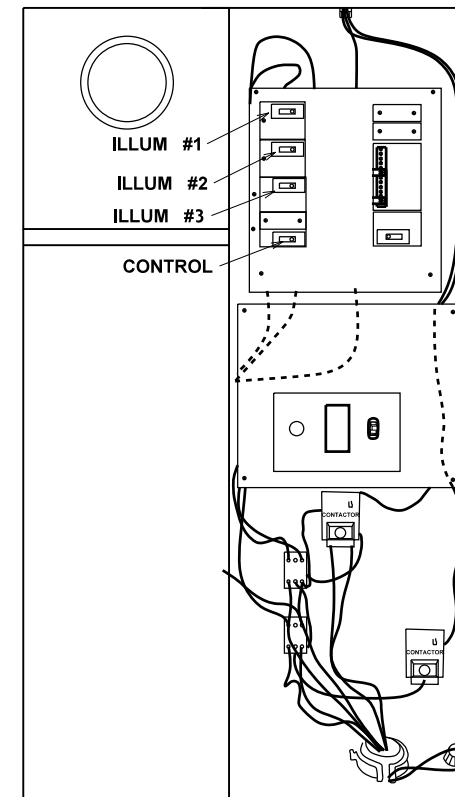
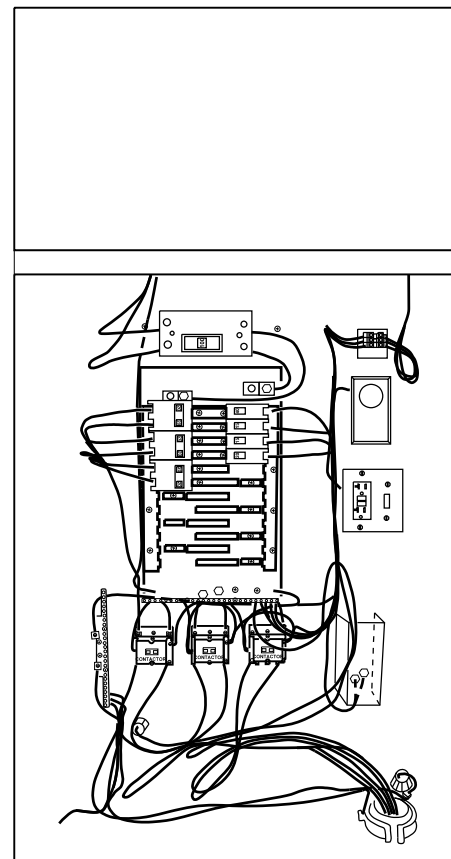
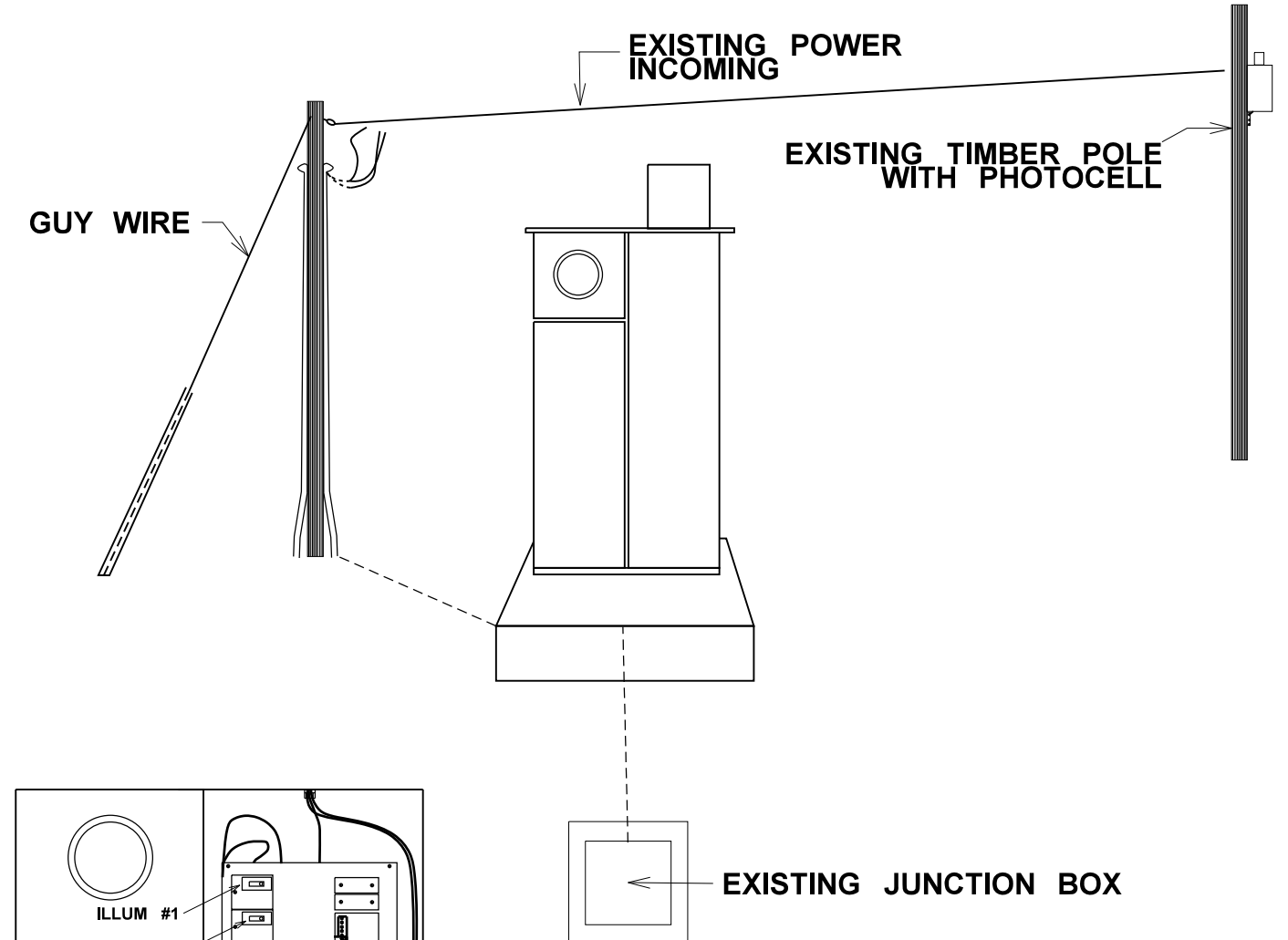
## ILD2


SHEET  
21

21  
OF  
25



FILE NAME G:\XL6451 US2 Sunset Interchange III Rep\CADD\Contract Plans\XL6451_PS_ILD.dgn										Plot 1																													
TIME 2:24:07 PM						REGION NO. STATE		FED.AID PROJ.NO. 0905(109)		<div> SEE SHEET CT1 DATE _____ P.E. STAMP BOX _____</div>										<div> Washington State Department of Transportation</div>										I-90 & US 2 INTERCHANGES ILLUMINATION REBUILD									
DATE 3/15/2023						10 WASH																								ILLUMINATION DETAILS									
PLOTTED BY WillinF						JOB NUMBER		23Z007		<div>DATE _____ P.E. STAMP BOX _____</div>										ILLUMINATION DETAILS																			
DESIGNED BY F. WILLINGHAM						CONTRACT NO.		LOCATION NO. XL6451																						SHEET 22 OF 35 SHEETS									
ENTERED BY F. WILLINGHAM								XL6451																															
CHECKED BY R. STULL																																							
PROJ. ENGR. G. WAGEMANN P.E.																																							
REGIONAL ADM. M. FRUCCI P.E. (ACTING)																																							
		REVISION		DATE		BY																																	

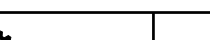
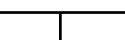


### EXISTING MODIFIED TYPE E SERVICE AND TRANSFORMER

### SERVICE CABINET #3

**EXISTING MODIFIED TYPE E SERVICE AND TRANSFORMER**

### SERVICE CABINET #4

FILE NAME G:\XL6451 US2 Sunset Interchange III Rep\CADD\Contract Plans\XL6451_PS_ILD.dgn										Plot 2																													
TIME 2:24:21 PM						REGION NO. STATE		FED.AID PROJ.NO. 0905(109)		 SEE SHEET CT1 DATE _____ P.E. STAMP BOX _____																				PLAN REF NO									
DATE 3/15/2023						10 WASH																								ILD4									
PLOTTED BY WillinF						JOB NUMBER																								SHEET									
DESIGNED BY F. WILLINGHAM						23Z007				DATE										OF																			
ENTERED BY F. WILLINGHAM						CONTRACT NO.		LOCATION NO.		DATE										35																			
CHECKED BY R. STULL								XL6451		DATE										SHEETS																			
PROJ. ENGR. G. WAGEMANN P.E.										DATE																													
REGIONAL ADM. M. FRUCCI P.E. (ACTING)				REVISION		DATE		BY		DATE																													

SIGN REMOVAL SPECIFICATIONS

SIGN NO.	STATION LOCATION	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE		POST MATERIAL	POST SIZE (TRADE SIZE)	NUM OF POSTS	REMARKS
				X	Y				
R-1	TR 3+84 RT	D1-801	(ARR 0) / SR 904 EAST/CHENEY/(ARR270)/I-90 EAST/SPOKANE	96	96	WOOD	6 X 8	2	AT TYLER I/C
R-2	SR 312+22 RT	D1-801	(ARR 0)/(SR 902)EAST Medical Lake/(I-90)WESTSeattle/(I-90)EAST Spokane(ARR 90)	108	132	W-BEAM	W 6 X 9	2	(1) AT SALNAVE I/C
R-3	L 87+22 LT	I0-0000SP	HIGHWAY (US 2) TRAFFIC SAFETY PROJECT NEXT 16 MILES	48	60	LUM POLE			AT SUNSET I/C, REMOVE SIGN ONLY, ON SYS #8
R-4	L 89+10 LT	M3-4	WEST	30	15	LUM POLE			AT SUNSET I/C, REMOVE SIGN ONLY, SIGN 1 OF 2, 1ST FROM TOP, ON SYS #8
R-5	L 89+10 LT	M1-4	(US 2)	36	36	LUM POLE			AT SUNSET I/C, REMOVE SIGN ONLY, SIGN 1 OF 2, 1ST FROM TOP, ON SYS #8
R-6	LX 208+92 RT	R2-1	SPEED LIMIT 50	30	36	LUM POLE			AT SUNSET I/C, REMOVE SIGN ONLY, ON SYS #8
R-7	LX 204+71 RT	W1-2R	CURVE RIGHT	36	36	LUM POLE			AT SUNSET I/C, REMOVE SIGN ONLY, SIGN 1 OF 2, 1ST FROM TOP, ON SYS #7
R-8	LX 204+71 RT	W13-1	35 MPH	24	24	LUM POLE			AT SUNSET I/C, REMOVE SIGN ONLY, SIGN 2 OF 2, 2ND FROM TOP, ON SYS #7

SIGN RELOCATION SPECIFICATIONS

SIGN NO.	EXISTING STATION LOCATION	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE		NEW STATION LOCATION	POST MATERIAL	POST SIZE	BASE TYPE	POST LENGTH (FEET)				CLEARANCE (FEET)		REMARKS	
				X	Y					H1	H2	H3	H4	V	W		
RL-1	SR 23 53+52 RT	D1-0000SP	COL. PLATEAU TL. ST. PARK/MARTIN RD T.H. 8 (ARR90)/AMBER LK. T.H. 21 (ARR90)	60	36	SR 23 53+30 RT	WOOD	6 X 6			14.6				7	24	AT SPRAGUE I/C
RL-2	SR 904 303+97 RT	R12-0000SP	EMERGENCY VEHICLE/AXLE VEHICLE WEIGHT / TANDEM 23T	48	24	SR 904 303+92 RT	PERF SQ TUBE	2.5" SQ	SB1,2,3		8.5				7.5	25	AT FOUR LAKES I/C
RL-3	L 88+58 RT	I6-906A	ADOPT A HIGHWAY "THIS AREA AVAILABLE" 509-324-6566 (SMALL)	36	36	P1 87+86 RT	LUM POLE								7		AT SUNSET I/C, SIGN 1 OF 2, 1ST FROM TOP, ON SYS #8, LUM #8
RL-4	L 88+58 RT	I6-906A	ADOPT A HIGHWAY "SPOKANE SOUTH ROTARY CLUB #267" (SMALL)	33	15	P1 87+86 RT	LUM POLE										AT SUNSET I/C, SIGN 2 OF 2, 2ND FROM TOP, ON SYS #8, LUM #8
RL-5	S1 103+44 RT	E12-101	HIGHWAY ENTRANCE	36	24	S1 104+15 RT	LUM POLE								9		AT SUNSET I/C, SIGN 1 OF 3, 1ST FROM TOP, ON SYS #8, LUM #1
RL-6	S1 103+44 RT	I2-601	ENTERING LIMITED ACCESS AREA	30	24	S1 104+15 RT	LUM POLE								7		AT SUNSET I/C, SIGN 2 OF 3, 2ND FROM TOP, ON SYS #8, LUM #1
RL-7	S1 103+44 RT	R5-1001	PEDESTRIAN, HITCHHIKERS, PROHIBITED	18	12	S1 104+15 RT	LUM POLE								6		AT SUNSET I/C, SIGN 3 OF 3, 3RD FROM TOP, ON SYS #8, LUM #1
RL-8	R2 9+60 RT	R6-1R	ONE-WAY (RIGHT)	54	18	R2 9+87 RT	LUM POLE								11		AT SUNSET I/C, SIGN 1 OF 3, 1ST FROM TOP, ON SYS #8, LUM #4
RL-9	R2 9+60 RT	R5-1	DO NOT ENTER	48	48	R2 9+87 RT	LUM POLE								7		AT SUNSET I/C, SIGN 2 OF 3, 2ND FROM TOP, BACK TO BACK, ON SYS #8, LUM #4
RL-10	R2 9+60 RT	W4-6	ADDED LANE @ 45 DEGREES	48	48	R2 9+87 RT	LUM POLE								7		AT SUNSET I/C, SIGN 3 OF 3, 2ND FROM TOP, BACK TO BACK, ON SYS #8, LUM #4
RL-11	P1 10+48 RT	R6-1R	ONE-WAY (RIGHT)	54	18	P1 10+55 RT									11		AT SUNSET I/C, SIGN 1 OF 3, 1ST FROM TOP, ON SYS #7
RL-12	P1 10+48 RT	R1-1	STOP	48	48	P1 10+55 RT									7		AT SUNSET I/C, SIGN 2 OF 3, 2ND FROM TOP, BACK TO BACK, ON SYS #7
RL-13	P1 10+48 RT	R5-1	DO NOT ENTER	48	48	P1 10+55 RT	WOOD	6 X 6			15.5				7	18	AT SUNSET I/C, SIGN 3 OF 3, 2ND FROM TOP, BACK TO BACK, ON SYS #7
RL-14	R2 17+52 LT	W3-1A	STOP AHEAD SYMBOL	48	48	R1 218+51 LT	LUM POLE								7		AT SUNSET I/C, ON SYS #9, LUM #6

SIGN INSTALLATION SPECIFICATIONS

SIGN NO.	STATION LOCATION	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE		LETTER SIZE OR CODE	SIGN SHEETING TYPE	POST MATERIAL	POST SIZE	BASE TYPE	POST LENGTH (FEET)				CLEARANCE (FEET)		REMARKS
				X	Y						H1	H2	H3	H4	V	W	
1	TR 3+78 RT	D1-801	(ARROW 0) (I-90) WEST Seattle/ (I-90) EAST Spokane (ARROW 90)	96	96	SEE DETAIL	IV	SOLID STEEL	3" SQ	SB1,3	16.6	16.9			7	22	AT TYLER I/C
2	SR 312+11 RT	D1-801SP	(ARR 0)/(SR 902)EASTMedicalLake/(I-90)WESTSeattle/(I-90)EASTSpokane(ARR 90)	108	132	SEE DETAIL	IV	W-BEAM	W 6X12	TPAorB	21.0	21.8			7	24	AT SALNAVE I/C
3	L 90+30 LT	M1-401	WEST (US 2)	30	36	STD	IV	LUM POLE							7		AT SUNSET I/C, ON SYS #8, LUM #6
4	LX 209+00 RT	R2-1	SPEED LIMIT 50	30	36	STD	IV	WOOD	4 X 6		13.5				7	16	AT SUNSET I/C, ON SYS #8, LUM #6
5	LX 204+83 RT	W1-2R	CURVE RIGHT	36	36	STD	IV	LUM POLE							9		AT SUNSET I/C, SIGN 1 OF 2, 1ST FROM TOP, ON SYS #7, LUM #4
6	LX 204+83 RT	W13-1	35 MPH	24	24	STD	IV	LUM POLE							7		AT SUNSET I/C, SIGN 1 OF 2, 2ND FROM TOP, ON SYS #7, LUM #4

NOTES:

STATION LOCATIONS ARE APPROXIMATE ONLY.  
FOR CODE REFERENCES AND STANDARD SIGN LAYOUT SEE WASHINGTON STATE SIGN FABRICATION MANUAL.  
ALL SIGNS 36" OR GREATER SHALL HAVE SIGN BRACING IN ACCORDANCE WITH STANDARD PLAN G-50.10.  
UNLESS OTHERWISE NOTED, "W" OFFSET DISTANCE & "V" HEIGHT WAS DETERMINED FROM THE WHITE EDGE LINE.  
POST LENGTHS AND "W" VALUES SHOWN ARE APPROXIMATE. FINAL VALUES SHALL BE DETERMINED IN THE FIELD PRIOR TO FABRICATION.

CONSTRUCTION NOTES:

(1) REMOVE CONCRETE PEDESTALS/BASES PER STANDARD SPECIFICATION 8-21.3(4), PARAGRAPH 4.

NAMEG:\XL6451 & XL6454 US 2 I-90 Illum\Signing\XL6451 & XL6454 Sign Design 3-15-23.xlsx

TIME1:07 PM

DATE3/15/2023

DESIGNED BYWILLINGHAM / BOHNET

ENTERED BYJ. MURR / G. BOHNET

CHECKED BYG. BOHNET

TRAFFIC ENGRG. WAGEMANN, P.E.

REGIONAL ADM.M. FRUCCI, P.E. (ACTING)

STATEWASH


REGION NO10

LOCATION NOXL6451 & XL6454


FED AID PROJ NO0905(109)

JOB NO.23Z007

CONTRACT NO.



SEE SHEET CT1  
P.E. STAMP



Washington State  
Dept. of Transportation

I-90 & US 2 INTERCHANGES  
ILLUMINATION REBUILD

SIGN SPECIFICATIONS

SS1

SHEET24  
OF35  
SHEET

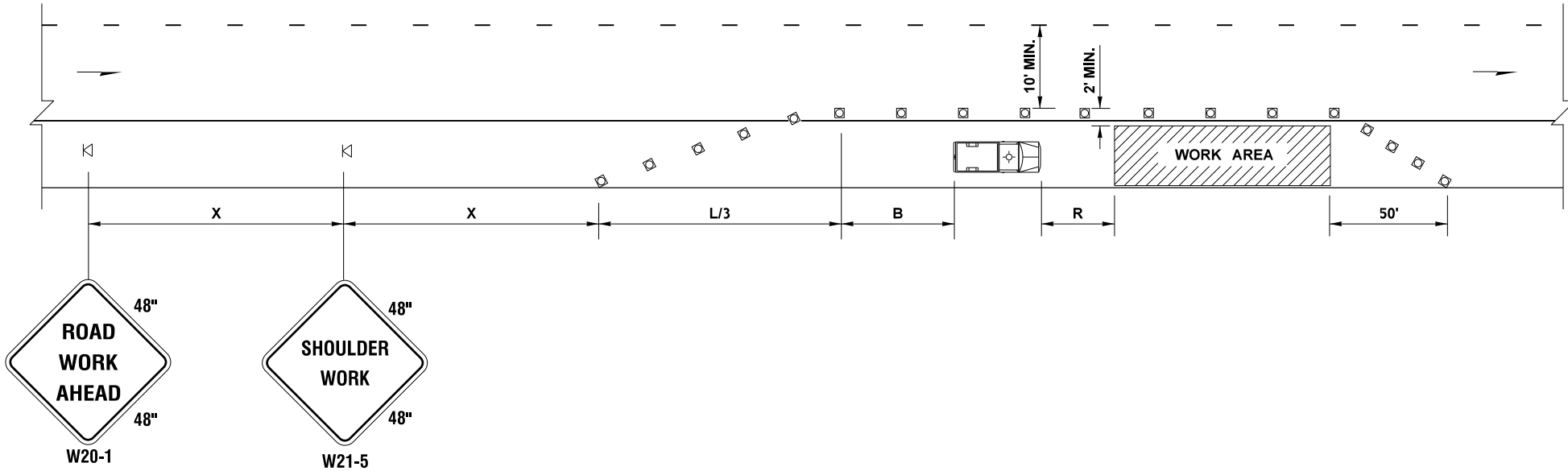



SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	-	-	-	-	-	-
10'	40	60	90	90	-	-	-	-	-	-
USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'										

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH		> 55 MPH		< 45 MPH		45-55 MPH		> 55 MPH	
100'	123'		172'		74'		100'		150'	
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/40	30	60
25/30	20	40



- LEGEND**
- K TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  -  PROTECTIVE VEHICLE

SHOULDER CLOSURE - LOW SPEED  
(40 MPH OR LESS)  
LX CROSSINGS AND RAMPS

NOT TO SCALE

NOTES

1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'(FT).
2. ALL SIGNS ARE BLACK ON ORANGE.

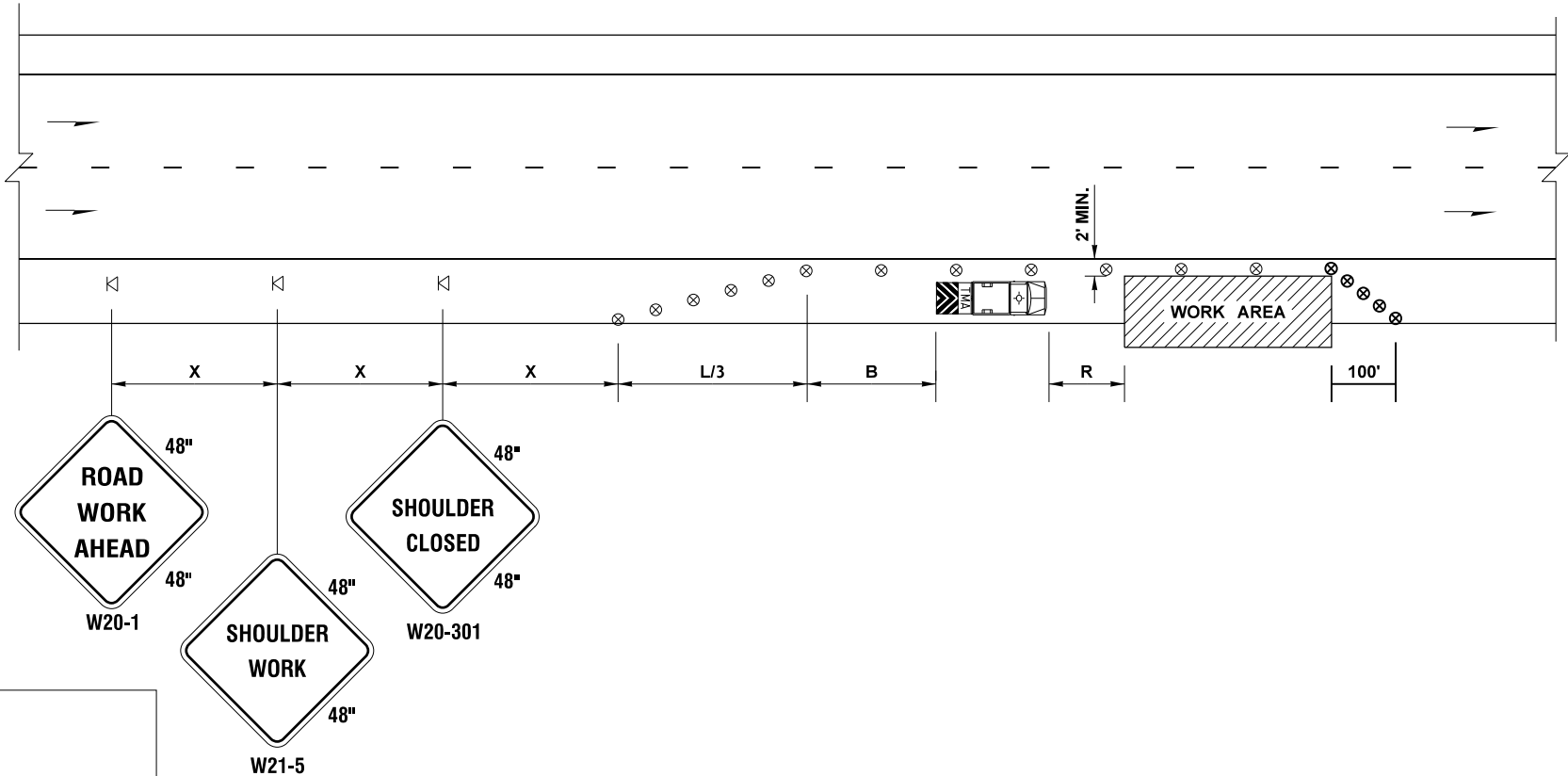
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TIME	12:57:54 PM					REGION NO.	STATE	FED.AID PROJ.NO. 0905(109)	PLAN REF NO	
DATE	3/15/2023					10	WASH		TC2	
PLOTTED BY	WillinF									
DESIGNED BY	J. MURR / G. BOHNET					JOB NUMBER		LOCATION NO.  XL6451 / XL6454	SHEET 26 OF 35 SHEETS	
ENTERED BY	J. MURR					23Z007				
CHECKED BY	G. BOHNET / R. STULL									
PROJ. ENGR.	G. WAGEMANN, P.E.					CONTRACT NO.				
REGIONAL ADM.	M. FRUCCI P.E. (ACTING)									
		REVISION		DATE		BY				

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPs, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH			< 45 MPH	45-55 MPH	> 55 MPH			
100'	123'	172'			74'	100'	150'			



LEGEND

TEMPORARY SIGN LOCATION

TRAFFIC SAFETY DRUM

TRANSPORTABLE ATTENUATOR

- NOTES
1.

NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
2.

DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT) O.C.
3.

ALL SIGNS ARE BLACK ON ORANGE.

SHOULDER CLOSURE - HIGH SPEED

I-90 LL AND LR LINES

NOT TO SCALE

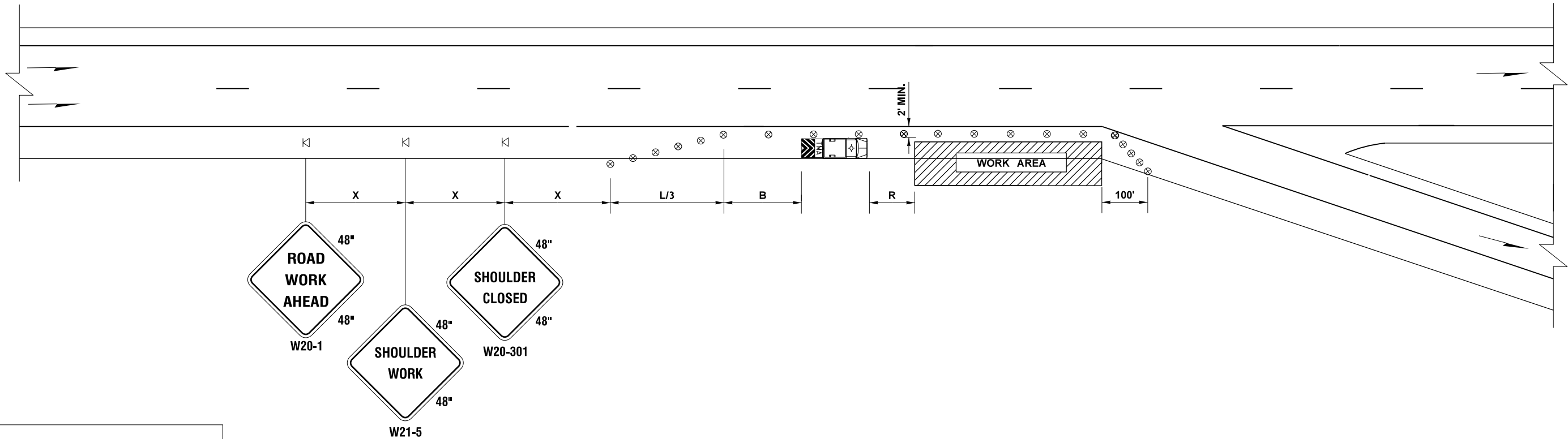
FILE NAMEG:\XL6451 & XL6454 US 2 I-90 I\lum\CAD\XI6451_XL6451_I-90_US2_Interchanges_Illumination_Rebuild_PS_TC.dgn										Plot 3	
TIME12:58:05 PM										PLAN REF NO	
DATE3/15/2023										TC3	
PLOTTED BYWillinF										SHEET 27 OF 35 SHEETS	
DESIGNED BYJ. MURR / G. BOHNET											
ENTERED BYJ. MURR											
CHECKED BYG. BOHNET / R. STULL											
PROJ. ENGR.G. WAGEMANN, P.E.											
REGIONAL ADM.M. FRUCCI P.E. (ACTING)											
		REVISION		DATE		BY					

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'±
RURAL HIGHWAYS	60 / 65 MPH	800'±
RURAL ROADS	45 / 55 MPH	500'±
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.						HOST VEHICLE WEIGHT > 22,000 lbs.				
< 45 MPH	45-55 MPH	> 55 MPH				< 45 MPH	45-55 MPH	> 55 MPH		
100'	123'	172'				74'	100'	150'		

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE PRIOR TO OFF-RAMP  
FOR MULTI-LANE ROADWAYS  
I-90 LL AND LR OFF RAMP  
NOT TO SCALE

FILE NAME G:\XL6451 & XL6454 US 2 I-90 Illum\CAD\I6451_XL6451_I-90_US2_Interchanges_Illumination_Rebuild_PS_TC.dgn										Plot 4
TIME 12:58:17 PM										PLAN REF NO
DATE 3/15/2023										TC4
PLOTTED BY WillinF										SHEET 28 OF 35 SHEETS
DESIGNED BY J. MURR / G. BOHNET										
ENTERED BY J. MURR										
CHECKED BY G. BOHNET / R. STULL										
PROJ. ENGR. G. WAGEMANN, P.E.										
REGIONAL ADM. M. FRUCCI P.E. (ACTING)	REVISION	DATE	BY							TRAFFIC CONTROL PLAN
				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. 0905(109)				
				JOB NUMBER 23Z007						
				CONTRACT NO.	LOCATION NO. XL6451 / XL6454					
						DATE		DATE		
						P.E. STAMP BOX		P.E. STAMP BOX		

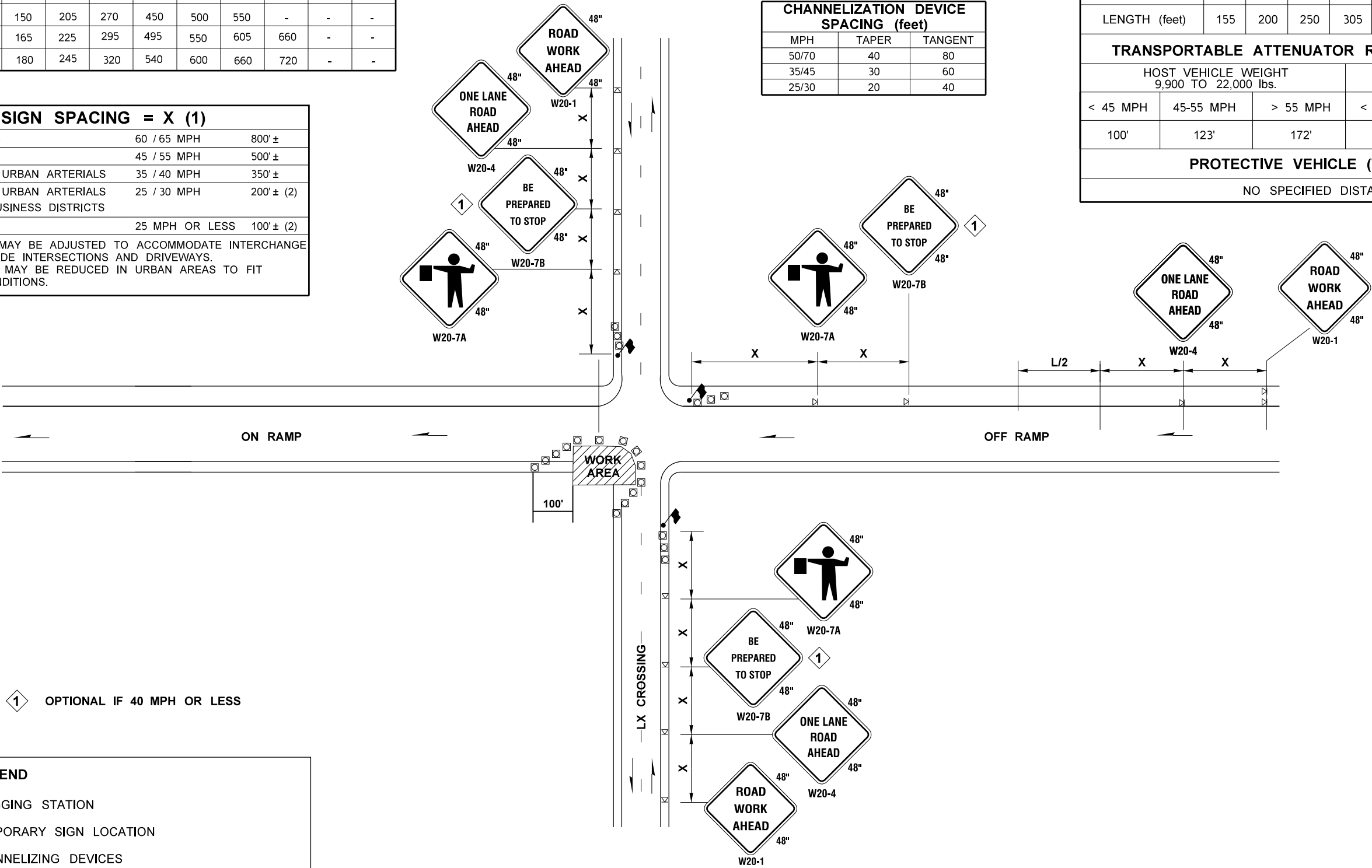


MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800'±
RURAL ROADS	45 / 55 MPH	500'±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH		< 45 MPH		45-55 MPH		> 55 MPH		
100'	123'	172'		74'		100'		150'		
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										



INTERSECTION LANE CLOSURE - DOUBLE LANE ROADWAY  
INTERSECTION OF LX CROSSING AND RAMP  
NOT TO SCALE

FILE NAME G:\XL6451 & XL6454 US 2 I-90 Illum\CAD\I6451_XL6451_I-90_US2_Interchanges_Illumination_Rebuild_PS_TC.dgn										Plot 5		
TIME	12:58:38 PM					REGION NO.	STATE	FED.AID PROJ.NO. 0905(109)		PLAN REF NO		
DATE	3/15/2023					10	WASH			TC5		
PLOTTED BY	WillinF					JOB NUMBER		LOCATION NO.  XL6451 / XL6454		SHEET 29 OF 35 SHEETS		
DESIGNED BY	J. MURR / G. BOHNET					23Z007						
ENTERED BY	J. MURR					CONTRACT NO.						
CHECKED BY	G. BOHNET / R. STULL											
PROJ. ENGR.	G. WAGEMANN, P.E.											
REGIONAL ADM.	M. FRUCCI P.E. (ACTING)	REVISION			DATE	BY						
										DATE		
										P.E. STAMP BOX		
										DATE		
										P.E. STAMP BOX		

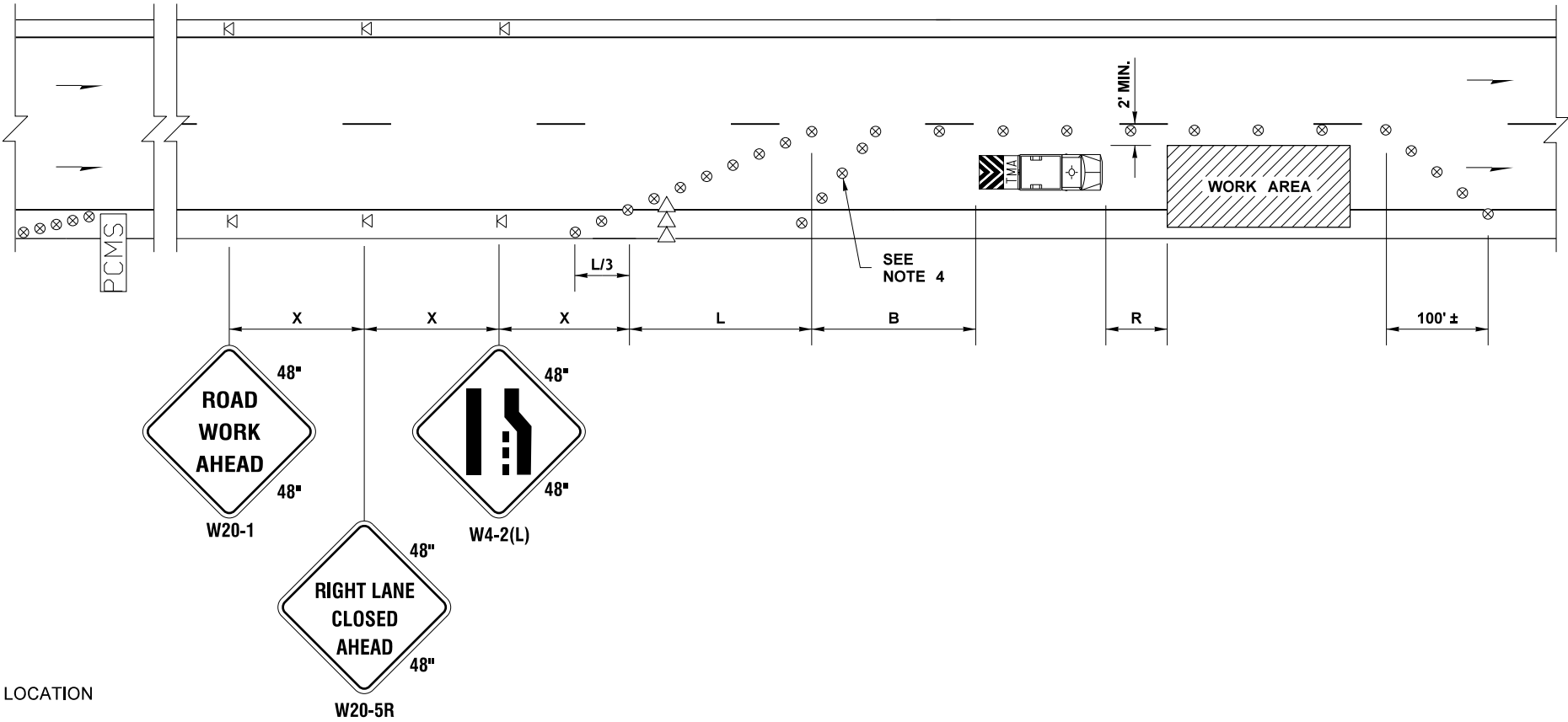


MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' ± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.						HOST VEHICLE WEIGHT > 22,000 lbs.				
< 45 MPH	45-55 MPH	> 55 MPH				< 45 MPH	45-55 MPH	> 55 MPH		
100'	123'	172'				74'	100'	150'		



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN  
ADVANCE OF LANE CLOSURE SIGNING.

NOTES

- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
- DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
- DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
- ALL SIGNS ARE BLACK ON ORANGE.

SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

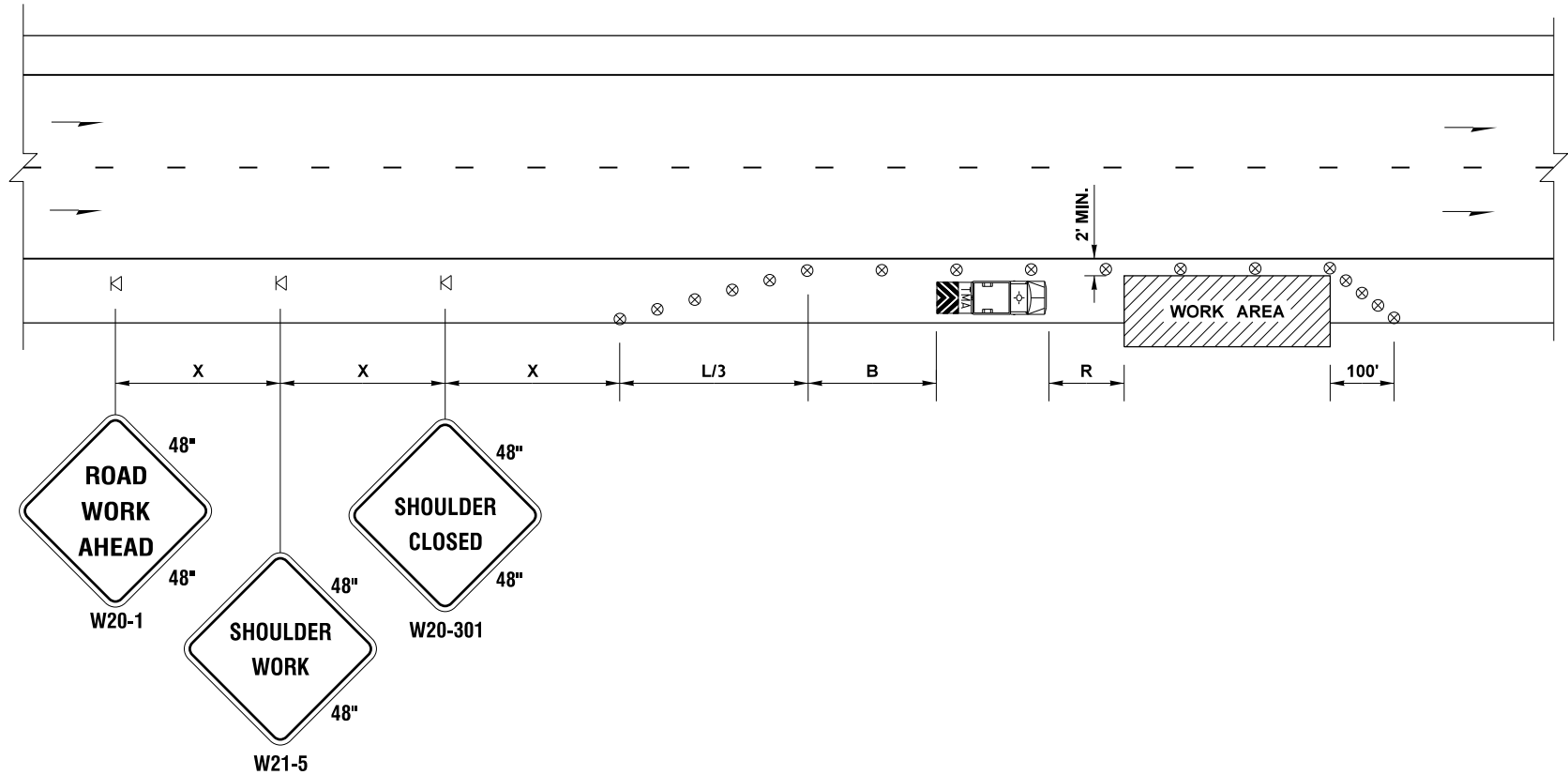
FILE NAME G:\XL6451 & XL6454 US 2 I-90 ILLUM\CAD\I6451_XL6451_I-90_US2_Interchanges_Illumination_Rebuild_PS_TC.dgn										Plot 2	
TIME	12:59:08 PM					REGION NO.	STATE	FED.AID PROJ.NO. 0905(109)	PLAN REF NO		
DATE	3/15/2023					10	WASH		TC7		
PLOTTED BY	WillinF										
DESIGNED BY	F. WILLINGHAM										
ENTERED BY	F. WILLINGHAM					JOB NUMBER		LOCATION NO.  XL6451 / XL6454	SHEET 31 OF 35 SHEETS		
CHECKED BY	R. MOORHEAD					23Z007					
PROJ. ENGR.	G. WAGEMANN P.E.					CONTRACT NO.					
REGIONAL ADM.	M. FRUCCI P.E. (ACTING)	REVISION			DATE	BY			TRAFFIC CONTROL PLAN		
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MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'±
RURAL HIGHWAYS	60 / 65 MPH	800'±
RURAL ROADS	45 / 55 MPH	500'±
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH			< 45 MPH	45-55 MPH	> 55 MPH			
100'	123'	172'			74'	100'	150'			



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE - HIGH SPEED

NOT TO SCALE

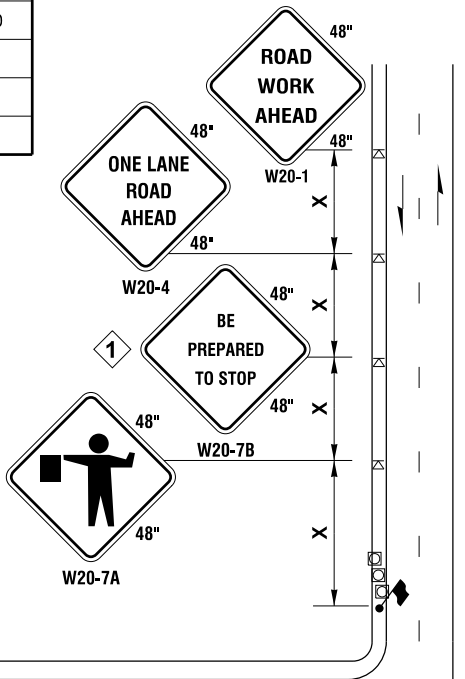
NOTES

- NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
- DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT) O.C.
- ALL SIGNS ARE BLACK ON ORANGE.

FILE NAME G:\XL6451 & XL6454 US 2 I-90 Illum\CAD\I6451_XL6451_I-90_US2_Interchanges_Illumination_Rebuild_PS_TC.dgn										Plot 8
TIME	12:59:16 PM					REGION NO.	STATE	FED.AID PROJ.NO. 0905(109)	PLAN REF NO	
DATE	3/15/2023					10	WASH		TC8	
PLOTTED BY	WillinF									
DESIGNED BY	F. WILLINGHAM					JOB NUMBER		LOCATION NO.  XL6451 / XL6454	SHEET 32 OF 35 SHEETS	
ENTERED BY	F. WILLINGHAM					23Z007				
CHECKED BY	R. MOORHEAD									
PROJ. ENGR.	G. WAGEMANN P.E.					CONTRACT NO.				
REGIONAL ADM.	M. FRUCCI P.E. (ACTING)									
		REVISION		DATE		BY				

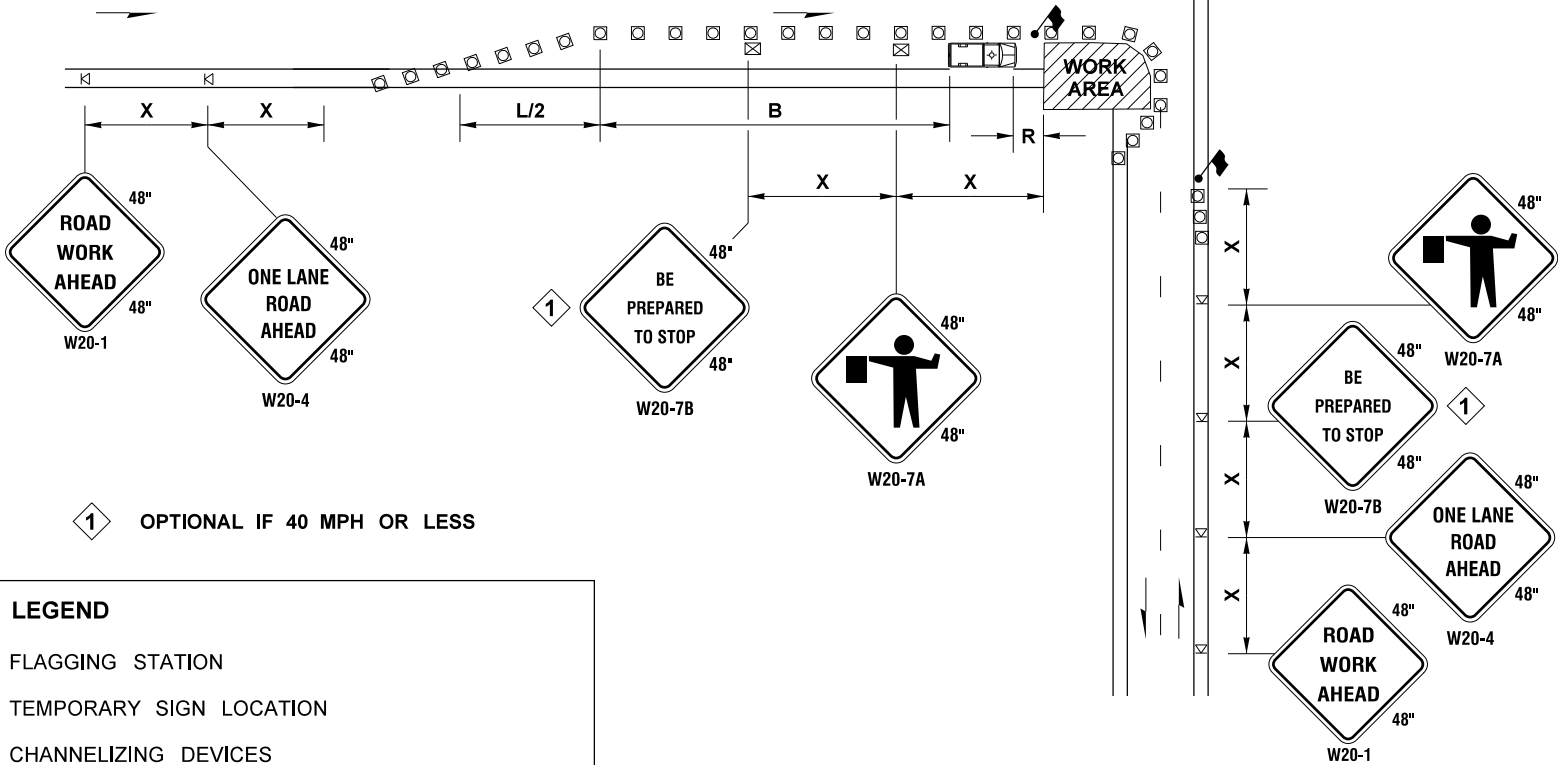
MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' ± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		



BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH		< 45 MPH		45-55 MPH		> 55 MPH		
100'	123'	172'		74'		100'		150'		
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



1 OPTIONAL IF 40 MPH OR LESS

LEGEND	
	FLAGGING STATION
	TEMPORARY SIGN LOCATION
	CHANNELIZING DEVICES
	PROTECTIVE VEHICLE - RECOMMENDED
	TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

NOTES

- RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
- IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
- FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
- ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

INTERSECTION LANE CLOSURE - US - 2 EB OFF RAMP  
P1-LINE  
NOT TO SCALE

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NOTES

1. NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
2. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'(FT) O.C.
3. ALL SIGNS ARE BLACK ON ORANGE.

LEGEND

- ⏏ TEMPORARY SIGN LOCATION
- ⊗ TRAFFIC SAFETY DRUM
- 🚚 TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE - HIGH SPEED - WITH LANE ENCROACHMENT  
R2-LINE AND LX-LINE SUNSET HWY INTERSECTION

NOT TO SCALE

SIGN SPACING = X (1)

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'±
RURAL HIGHWAYS	60 / 65 MPH	800'±
RURAL ROADS	45 / 55 MPH	500'±
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPs, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

CHANNELIZATION DEVICE  
SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

BUFFER DATA

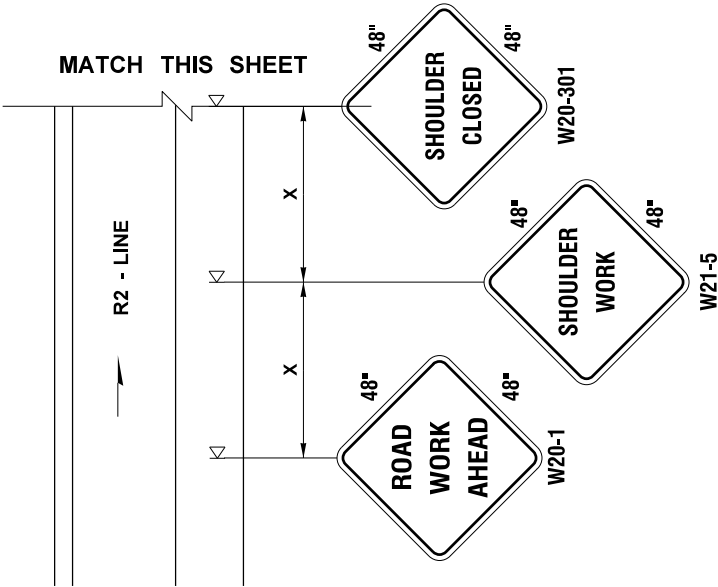
LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

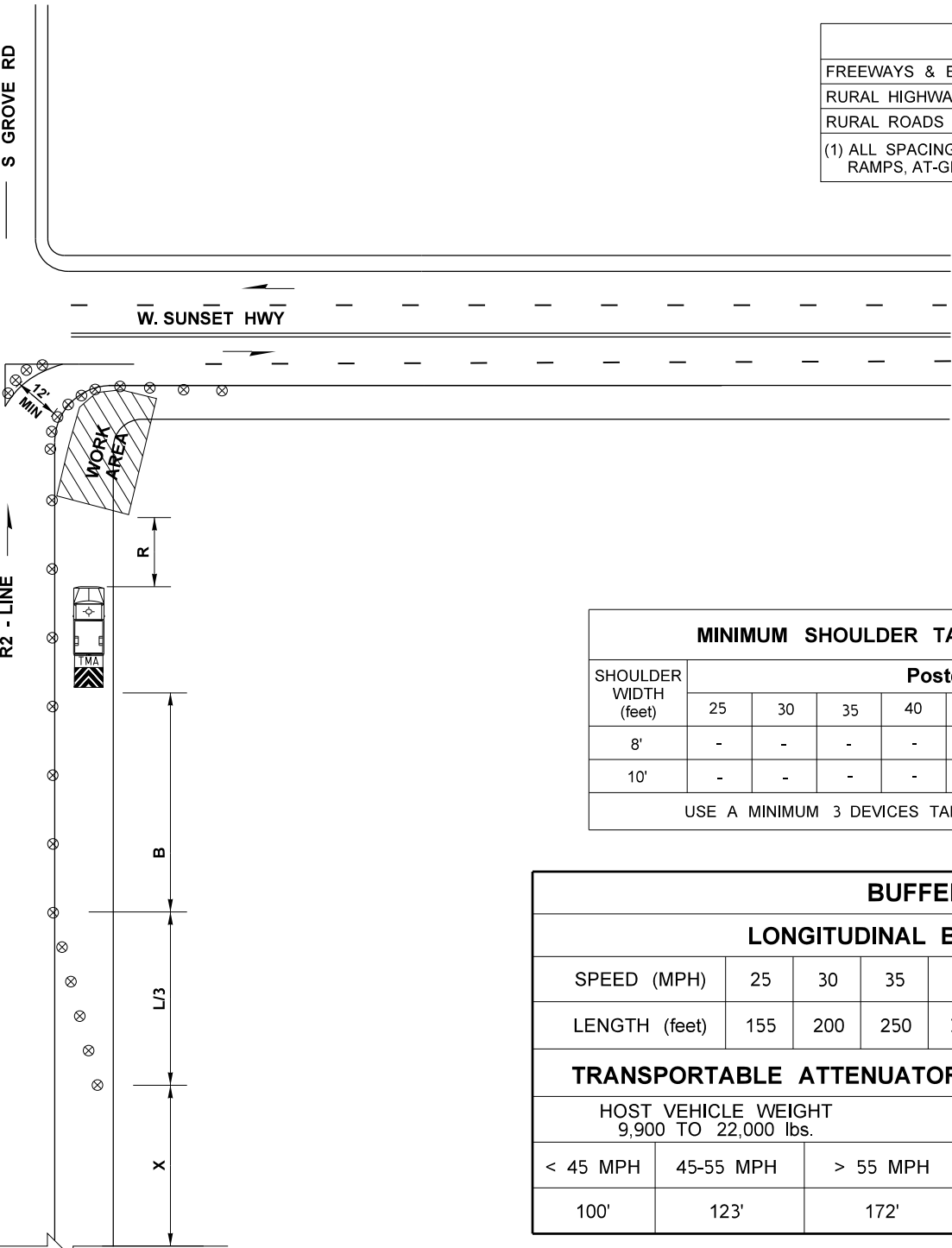
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

MATCH THIS SHEET



MATCH THIS SHEET



FILE NAME	G:\XL6451 & XL6454 US 2 I-90 Illum\CAD\I6451_XL6451_I-90_US2_Interchanges_Illumination_Rebuild_PS_TC.dgn						
TIME	12:59:35 PM						
DATE	3/15/2023						
PLOTTED BY	WillinF						
DESIGNED BY	F. WILLINGHAM						
ENTERED BY	F. WILLINGHAM						
CHECKED BY	R. MOORHEAD						
PROJ. ENGR.	G. WAGEMANN P.E.						
REGIONAL ADM.	M. FRUCCI P.E. (ACTING)						
REVISION		DATE	BY	REGION NO.	STATE	FED.AID PROJ.NO.	
				10	WASH	0905(109)	
				JOB NUMBER			
				23Z007			
				CONTRACT NO.		LOCATION NO.	
						XL6451 / XL6454	

P.E. STAMP BOX

P.E. STAMP BOX



Washington State  
Department of Transportation

I-90 & US 2 INTERCHANGES  
ILLUMINATION REBUILD

TRAFFIC CONTROL PLAN

PLAN REF NO

TC10

SHEET  
34  
OF  
35  
SHEETS

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'±
RURAL HIGHWAYS	60 / 65 MPH	800'±
RURAL ROADS	45 / 55 MPH	500'±
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

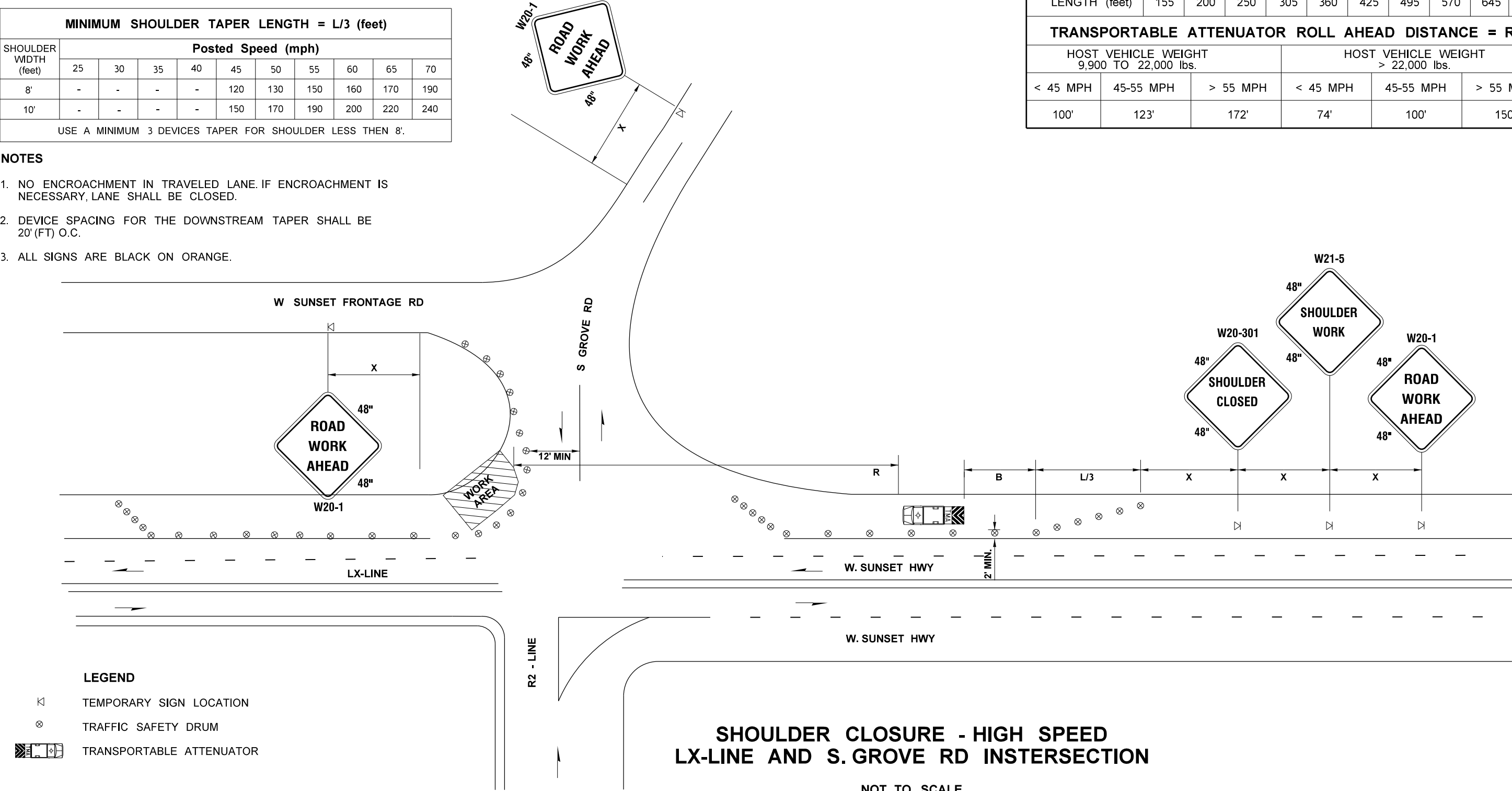
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

NOTES

1. NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
2. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT) O.C.
3. ALL SIGNS ARE BLACK ON ORANGE.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.						HOST VEHICLE WEIGHT > 22,000 lbs.				
< 45 MPH	45-55 MPH	> 55 MPH		< 45 MPH	45-55 MPH	> 55 MPH				
100'	123'	172'		74'	100'	150'				



FILE NAME G:\XL6451 & XL6454 US 2 I-90 Illum\CAD\XL6451_XL6451_I-90_US2_Interchanges_Illumination_Rebuild_PS_TC.dgn										Plot 61
TIME	12:59:44 PM					REGION NO.	STATE	FED.AID PROJ.NO.		PLAN REF NO
DATE	3/15/2023					10	WASH	0905(109)		TC11
PLOTTED BY	WillinF					JOB NUMBER				SHEET 35 OF 35 SHEETS
DESIGNED BY	F. WILLINGHAM					23Z007				
ENTERED BY	F. WILLINGHAM					CONTRACT NO.		LOCATION NO.		TRAFFIC CONTROL PLAN
CHECKED BY	R. MOORHEAD							XL6451 / XL6454		
PROJ. ENGR.	G. WAGEMANN P.E.									
REGIONAL ADM.	M. FRUCCI P.E. (ACTING)									
		REVISION		DATE		BY				